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Textile Organon

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Textile Fiber End Use Survey

Highlights

Annual U.S. End Use Summary . . . featured page 140.

Summary of Man-Made Fiber & Semimanufactured Imports 1976-1982 . . . see page 149.

Second Quarter 1983 Domestic Shipments of Nylon Yarn to the Carpet Trades Top 196 Million Pounds . . . see page 154.

September Shipments of Polyester Staple+Tow Rise to 208.3 Million Pounds . . . see page 158.

Presented in this issue of the *Textile Organon* is the 1983 survey of textile fiber consumption by end use. Annual data are shown for the years 1976 through 1982.

The data of this survey for 1976 and forward supersede those of similar earlier surveys. As more reliable data become available, they are incorporated into the survey to provide the most current industry data obtainable.

Compared with last year's survey, there are relatively few revisions. However, it should be noted that there has been some revision of the Top- & Bottomweight Fabric and Bedspread & Quilts (Item 45) end uses. In addition, some of the cellulosic yarn data have been revised for the years 1980-1981 in many of the end uses, such as Curtains (Item 51) and Drapery & Upholstery (Item 52) of the Home Furnishings sector and Narrow Fabrics (Item 56c) of the Industrial sector.

In some cases, these revisions involved changes in the series of data from 1976 through 1981. Revisions such as these are indicated by a black circle (•). In addition, significant single year revisions are denoted by a small "r".

When the changes described above are kept in mind, the data in this survey may be used in conjunction with earlier issues of the *Textile Organon* as follows:

YEARS	*Textile Organon* ISSUES
1949-1955	November 1961
1956-1959	January 1966
1960-1963	January 1970
1964-1965	November 1971
1966-1967	November 1973
1968-1969	November 1975
1970	November 1976
1971-1972	November & December 1978
1973	November 1980
1974	November 1981
1975	November 1982

In this manner, a continuous statistical series covering the 34-year span from 1949 through 1982 may be obtained.

END USE SUMMARY CHANGES

	TOTAL FIBER								MAN-MADE FIBER							
	MILLION POUNDS				% OF TOTAL END USE[a]				MILLION POUNDS				% OF TOTAL END USE[a]			
END USE	76-79	1980	1981	1982	76-79	1980	1981	1982	76-79	1980	1981	1982	76-79	1980	1981	1982
APPAREL	4954	4728	4478	3964	39.5	39.0	38.0	38.0	3108	2951	2744	2386	34.5	33.5	31.5	31.2
HOME FURNISHINGS	3864	3656	3519	3147	30.8	30.2	29.8	30.2	2948	2828	2722	2425	32.7	32.1	31.3	31.8
INDUSTRIAL & OTHER CONSUMER TYPE PRODUCTS	3234	3109	3312	2984	25.8	25.7	28.1 r	28.6	2719	2686	2915	2611	30.2	30.4	33.5	34.2
EXPORTS	491	618	490	336	3.9	5.1	4.1	3.2	233	352	319	215	2.6	4.0	3.7	2.8
TOTAL END USE	12543	12111	11799	10431	100	100	100	100	9008	8817	8700	7637	100	100	100	100

76-79 means the annual average for the years 1976-1979. The 1980, 1981 & 1982 data are for single years only. All data are drawn from the End Use Consumption Summary table on page 142.

a. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add to 100% vertically in each case.

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Textile Organon

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SURVEY FIBER COVERAGE

The objective of this survey is to measure the amount of raw fiber required to produce a particular end use item. The quantities of fiber are grouped under general listings, but specific characteristics of each listing should be noted.

The man-made fiber data are presented in two general categories, Cellulosic, which includes rayon and acetate, and Noncellulosic, which includes nylon, polyester, acrylic, olefin, saran, spandex and textile glass. Except for carpets, no separation of the data by generic type within the end uses is provided. See footnote (b) under General Notes on page 150 for additional descriptions. The cotton end use data cover raw cotton. Cotton waste and cotton linters poundages are excluded, except when pertaining to waste. See the section describing waste fiber coverage for further explanation.

Wool data cover both virgin and reprocessed & reused wool.

Many other fibers, such as silk, linen, jute and sisal, are used in various products covered by the survey, but no poundage data for these fibers are included in the end use tables on pages 142-148. For the purposes of comparison, however, the total imports of these fibers are presented in the lowest table on page 141. Additional reference to these fibers is made in the General Notes on page 150.

SURVEY WASTE FIBER COVERAGE

In the survey, textile fiber waste is handled in three different ways: First, end uses which employ waste fiber, either wholly or in part without preliminary processing, are not included (e.g., furniture stuffing, mattress felts, punched or needled felts for carpet & rug underlays, pressed wool felts and some nonwoven fabrics).

Second, for certain end uses which utilize both new fiber and the fiber derived from processed waste, the poundages shown have been calculated so as to exclude the waste component inasmuch as possible, as, for example, is the case with the cotton waste in Towels & Toweling (Item 48) and Twine (Item 73).

And third, waste which has been processed into usable spinnable fiber is included in the poundages shown for Blankets (Item 46), Carpets & Rugs (Item 50) and a number of other applications. It is important to note that

in products such as these, fiber derived from waste by preliminary processing, especially for the man-made fiber poundages, is a significant and measured part of the total end use.

OUTLINE AND COVERAGE OF THE SURVEY

The tabulations presented on pages 142-148 show the poundages of the itemized textile fibers consumed in the production of end use products in the United States.

The substantial imports of finished products, such as apparel, blankets, tablecloths and rugs, are not included in this survey as they are not manufactured in domestic mills.

The method used for estimating the end uses of man-made fibers differs from that used for the natural fibers For man-made fibers, the data are based on producers domestic shipments plus imports of fiber, yarn and semimanufactured products. While in the case of cotton, the data of the National Cotton Council were used extensively, and for wool, government data plus estimates from other trade sources were employed.

END USE VERSUS AVAILABLE SUPPLY

Available supply, which is mill consumption plus semimanufactured imports, is compared with end use consumption in the center table on page 141. While more specific reasons which affect the correlation between these series are described in subsequent sections, some general remarks are presented below.

Cotton. End Use consumption is lower than Available supply for most years; the same situation pertains to the National Cotton Council's survey data. Two reasons for this are stated by the Council: a) many small end uses are not included in the survey and b) estimates of materials consumed are based on "typical" cotton yarns and fabrics, not on the actual weights of every type of yarn and fabric consumed in the various end uses.

Timing and inventory changes also play a significant role. For example, some raw cotton correctly reported as "consumed" by the Census Bureau in the calendar year 1981 was not actually incorporated into end products until 1982 because of time lags and inventory fluctuations involved in moving from raw fiber in the bale to a finished garment or other textile product. Similarly, an indeterminate amount of cotton consumed in 1982 was not embodied in finished products until 1983.

As noted, the cotton series presented in this survey are mainly those of the National Cotton Council as published in its annual survey "Cotton Counts Its Customers" (1983 and earlier editions).

Wool. Blends of wool with other fibers are common in many end uses, but little information is available on the fiber composition of these blends. Thus, relatively reliable measures are available mainly on the wool poundages used in Home Furnishings (blankets and carpets) and such Apparel items as Retail Piece Goods and Craft Yarns.

These poundages were deducted from the Available Supply in the page 143 table and residual poundages were then attributed to Apparel. Usage in individual apparel items from the years 1976-1982 was calculated by correlating the data of Census reports MA-23A and MQ-22T on, respectively, Apparel and Broad Woven Goods.

Man-Made Fibers. As will be seen, there is relatively good correlation between End Use Consumption and Available Supply.

The fluctuations of producers' domestic shipments, as well as imports, from year to year are significant. In years when there is a large increase in domestic shipments plus imports of fiber (Available Supply), it is probable that some of the increase went into mill and manufacturers' inventories rather than directly into end uses. Both warehouse inventories of yarn and staple and goods-in-process inventories would be involved. For example, it is likely that some of the large increase in the Available Supply between 1976 and 1977 was absorbed in inventories at various stages of the production process. In a period when Available Supply falls sharply (1973-1974 and 1974-1975, for instance) the movement is reversed. In a period of slower activity, mills and manufacturers reduce their warehouse inventories and work-in-process to reflect the lower level of activity.

UNIT PRODUCTION VERSUS FIBER CONSUMED

This survey shows the poundage of raw fiber which had to be put into process in order to manufacture end products. No direct comparison can be, or should be, made between the poundages of the fibers consumed, as recorded in the survey, and the finished or "shelf" weight of those end products by fiber.

Two reasons for this disparity are:

1. The variation in the weight per square yard of fabric made of the different fibers for the same end use. According to recent data collected by the U.S. Census Bureau, cotton fabrics averaged 7.0 square yards per pound and wool 0.6 square yards per pound. But for man-made fiber, 100% filament yarn fabrics averaged 4.4 square yards per pound and spun yarn fabrics averaged 3.3 square yards per pound.

2. From these data, it is apparent that the "covering power" of fabrics made from the various fibers varies greatly. Hence, a simple comparison of poundages of fibers consumed would be misleading both because of the differences in fibers concerning covering power and the difference in typical fabric weights of products made of the various fibers, as described.

U.S. END USE SUMMARY

MILLION POUNDS & *Percent*

END USE & YEAR	GRAND TOTAL			COTTON			WOOL			MAN-MADE FIBERS			MAN-MADE FIBER DETAIL							
													CELLULOSIC					NONCELL. & TEXTILE GLASS				
													TOTAL			YARN	STAPLE	TOTAL			YARN	STAPLE
	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	LBS	LBS	%[a]	%[b]	LBS	LBS
APPAREL																						
1976	4831	100	41.0	1736	35.9	49.7	127	2.6	72.6	2968	61.5	36.5	288	6.0	33.0	216	72	2680	55.5	36.9	1309	1371
1977	5135	100	40.9	1735	33.8	51.2	132	2.6	75.0	3268	63.6	36.4	304	5.9	34.4	219	85	2964	57.7	36.6	1456	1508
1978	5023	100	39.2	1683	33.5	52.0	139	2.8	73.9	3201	63.7	34.2	307	6.1	34.5	228	79	2894	57.6	34.1	1444	1450
1979	4825	100	37.0	1696	35.2	51.3	132	2.7	76.3	2997	62.1	31.4	341	7.1	40.7	245	96	2656	55.0	30.5	1359	1297
1980	4728	100	39.0	1652	35.0	53.0	125	2.6	74.0	2951	62.4	33.5	298	6.3	39.9	222	76	2653	56.1	32.9	1306	1347
1981	4478	100	38.0	1585	35.4	54.6	149	3.3	76.4	2744	61.3	31.5	309	6.9	42.8	194	115	2435	54.4	30.5	1184	1251
1982	3964	100	38.0	1450	36.6	55.3	128	3.2	75.3	2386	60.2	31.2	211	5.3	39.9	142	69	2175	54.9	30.6	982	1193
HOME FURNISHINGS																						
1976	3526	100	29.9	920	26.1	26.3	33	0.9	18.8	2573	73.0	31.7	216	6.1	24.8	45	171	2357	66.9	32.5	921	1436
1977	3842	100	30.6	905	23.6	26.7	32	0.8	18.2	2905	75.6	32.3	212	5.5	24.0	54	158	2693	70.1	33.2	1072	1621
1978	3996	100	31.2	863	21.6	26.6	36	0.9	19.2	3097	77.5	33.0	238	6.0	26.8	56	182	2859	71.5	33.7	1160	1699
1979	4092	100	31.4	848	20.7	25.6	27	0.7	15.6	3217	78.6	33.7	194	4.7	23.1	48	146	3023	73.9	34.7	1244	1779
1980	3656	100	30.2	802	22.0	25.8	26	0.7	15.4	2828	77.3	32.1	170	4.6	22.7	47	123	2658	72.7	32.9	1189	1469
1981	3519	100	29.8	768	21.9	26.4	29	0.8	14.9	2722	77.3	31.3	156	4.4	21.6	36	120	2566	72.9	32.2	1117	1449
1982	3147	100	30.2	696	22.1	26.5	26	0.8	15.3	2425	77.1	31.8	104	3.3	19.7	26	78	2321	73.8	32.6	1013	1308
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS																						
1976	2963	100	25.1	569	19.2	16.3	8	0.3	4.6	2386	80.5	29.3	315	10.6	36.1	61	254	2071	69.9	28.5	1600	471
1977	3155	100	25.2	528	16.7	15.6	8	0.3	4.5	2619	83.0	29.2	316	10.0	35.8	62	254	2303	73.0	28.4	1753	550
1978	3334	100	26.1	472	14.1	14.6	9	0.3	4.8	2853	85.6	30.4	301	9.0	33.9	66	235	2552	76.6	30.1	1915	637
1979	3486	100	26.8	462	13.3	14.0	8	0.2	4.6	3016	86.5	31.6	271	7.8	32.3	50	221	2745	78.7	31.6	2020	725
1980	3109	100	25.7	412	13.2	13.2	11	0.3	6.5	2686	86.5	30.4	249	8.0	33.3	40	209	2437	78.5	30.2	1805	632
1981	3312	100	28.1	385	11.6	13.3	12	0.4	6.1	2915	88.0	33.6	231	7.0	31.9	42	189	2684	81.0	33.6	2009	675
1982	2984	100	28.6	363	12.2	13.8	10	0.3	5.9	2611	87.5	34.2	195	6.5	36.8	30	165	2416	81.0	34.0	1778	638
EXPORTS OF DOMESTIC PRODUCTS																						
1976	476	100	4.0	267	56.1	7.7	7	1.5	4.0	202	42.4	2.5	53	11.1	6.1	26	27	149	31.3	2.1	66	83
1977	418	100	3.3	221	52.9	6.5	4	0.9	2.3	193	46.2	2.1	51	12.2	5.8	23	28	142	34.0	1.8	61	81
1978	449	100	3.5	220	49.0	6.8	4	0.9	2.1	225	50.1	2.4	43	9.6	4.8	22	21	182	40.5	2.1	76	106
1979	620	100	4.8	301	48.5	9.1	6	1.0	3.5	313	50.5	3.3	33	5.3	3.9	21	12	280	45.2	3.2	128	152
1980	618	100	5.1	259	42.0	8.0	7	1.0	4.1	352	57.0	4.0	31	5.1	4.1	20	11	321	51.9	4.0	141	180
1981	490	100	4.1	166	33.9	5.7	5	1.0	2.6	319	65.1	3.6	27	5.5	3.7	17	10	292	59.6	3.7	121	171
1982	336	100	3.2	115	34.2	4.4	6	1.8	3.5	215	64.0	2.8	19	5.6	3.6	12	7	196	58.4	2.8	82	114
TOTAL END USE																						
1976	11796	100	100	3492	29.6	100	175	1.5	100	8129	68.9	100	872	7.4	100	348	524	7257	61.5	100	3896	3361
1977	12550	100	100	3389	27.0	100	176	1.4	100	8985	71.6	100	883	7.0	100	358	525	8102	64.6	100	4342	3760
1978	12802	100	100	3238	25.3	100	188	1.5	100	9376	73.2	100	889	6.9	100	372	517	8487	66.3	100	4595	3892
1979	13023	100	100	3307	25.4	100	173	1.3	100	9543	73.3	100	839	6.5	100	364	475	8704	66.8	100	4751	3953
1980	12111	100	100	3125	25.8	100	169	1.4	100	8817	72.8	100	748	6.2	100	329	419	8069	66.6	100	4441	3628
1981	11799	100	100	2904	24.6	100	195	1.6	100	8700	73.8	100	723	6.2	100	289	434	7977	67.6	100	4431	3546
1982	10431	100	100	2624	25.2	100	170	1.6	100	7637	73.2	100	529	5.1	100	210	319	7108	68.1	100	3855	3253

a. The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

b. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add vertically to the 100% shown under Total End Use Consumption.

LIMITATIONS OF THE SURVEY RESULTS

The statistical results of an end use survey can be only approximations at best. But when the data are viewed as one fiber relative to another, and not as absolute values, then they may be regarded as measuring the long-term trend results of competition between the fibers.

An additional note, the data are given in millions of pounds and include one decimal place to show hundred thousand pounds. This device is employed not to show great accuracy, but rather to take into account some small poundages of fibers in such end uses as Apparel Lace (Item 43) and still allow the compilation to add arithmetically.

MILL CONSUMPTION+SEMIMANUFACTURED IMPORTS

MILLION POUNDS

YEAR	MAN-MADE FIBERS: MILL CONSUMPTION[a] CELLULOSIC YARN	CELLULOSIC STAPLE[b]	CELLULOSIC TOTAL	NONCELLULOSIC+TEXT. GLASS YARN	NONCELLULOSIC+TEXT. GLASS STAPLE[b]	NONCELLULOSIC+TEXT. GLASS TOTAL	MAN-MADE FIBERS: IMPORTS[c]	MAN-MADE FIBERS: TOTAL	COTTON: MILL CONS[a]	COTTON: IMPORTS[c]	COTTON: TOTAL	WOOL: MILL CONS[a]	WOOL: REPROCESSED & REUSED[d]	WOOL: COTTON SYSTEM[d]	WOOL: IMPORTS[c]	WOOL: TOTAL	MILL CONS+IMPORTS = AVAILABLE
1976	339.6	515.7	855.3	3,888.8	3,308.4	7,197.2	103.4	8,155.9	3,389.0	351.4	3,740.4	145.9	14.8	3.0	18.0	181.7	12,078.0
1977	351.0	517.2	868.2	4,345.2	3,674.1	8,019.3	127.6	9,015.1	3,169.8	258.1	3,427.9	133.9	16.7	4.1	25.3	180.0	12,623.0
1978	363.3	516.4	879.7	4,580.8	3,767.2	8,348.0	169.3	9,397.0	3,040.4	330.7	3,371.1	141.6	16.8	3.0	31.9	193.3	12,961.4
1979	356.7	474.3	831.0	4,740.2	3,874.8	8,615.0	119.1	9,565.1	3,066.4	249.1	3,315.5	134.4	17.0	2.5	25.9	179.8	13,060.4
1980	325.0	415.7	740.7	4,426.0	3,593.4	8,019.4	111.6	8,871.7	3,064.4	277.8	3,342.2	137.8	10.5	3.8	25.3	177.4	12,391.3
1981	283.6	430.7	714.3	4,484.0	3,504.1	7,988.1	141.1	8,843.5	2,703.8	374.4	3,105.2	152.7	8.3	3.2	32.8	197.0	12,145.7
1982	207.4	316.0	523.4	3,793.3	3,213.7	7,007.0	143.9	7,674.3	2,487.9	295.0	2,782.9	129.5	5.7	3.0	33.3	171.5	10,628.7

a. Mill Consumption is taken from page 38 of the March 1983 *Organon* issue plus subsequent revisions.

b. Man-Made staple includes waste.

c. Imports are taken from page 39 of the March issue and comprise semimanufactured goods; see the footnotes there.

d. These poundages of reprocessed and reused wool, as well as wool consumed on the cotton spinning system, are not included in the mill consumption series for wool (see page 36 of the February 1970 *Organon*). However, they are considered here as part of the available supply of wool as shown in the table below.

END USE VERSUS AVAILABLE SUPPLY - MILLION POUNDS & *Percent*

FIBERS	1976 AVAILABLE[a]	1976 END USE[b]	1976 %[c]	1977 AVAILABLE[a]	1977 END USE[b]	1977 %[c]	1978 AVAILABLE[a]	1978 END USE[b]	1978 %[c]	1979 AVAILABLE[a]	1979 END USE[b]	1979 %[c]	1980 AVAILABLE[a]	1980 END USE[b]	1980 %[c]	1981 AVAILABLE[a]	1981 END USE[b]	1981 %[c]	1982 AVAILABLE[a]	1982 END USE[b]	1982 %[c]
COTTON	3740	3492	*93.4*	3428	3389	*98.9*	3371	3238	*96.1*	3316	3307	*99.7*	3342	3125	*93.5*	3105	2904	*93.5*	2783	2623	*94.2*
WOOL	182	175	*96.2*	180	176	*97.8*	193	188	*97.4*	180	173	*96.1*	177	168	*94.9*	197	194	*98.5*	172	170	*98.8*
TOTAL COTTON & WOOL	**3922**	**3667**	*93.5*	**3608**	**3565**	*98.8*	**3564**	**3426**	*96.1*	**3496**	**3480**	*99.5*	**3519**	**3293**	*93.6*	**3302**	**3098**	*93.8*	**2955**	**2793**	*94.5*
CELL - YARN[d]	350	348	*99.4*	360	358	*99.4*	373	372	*99.7*	364	364	*100.0*	329	329	*100.0*	289	289	*100.0*	212	210	*99.1*
- STAPLE[e]	528	524	*99.2*	530	525	*99.1*	532	517	*97.2*	485	475	*97.9*	421	419	*99.5*	437	434	*99.3*	322	319	*99.1*
NONCELL - YARN[d]	3238	3218	*99.4*	3570	3551	*99.5*	3713	3708	*99.9*	3833	3830	*99.9*	3607	3567	*98.9*	3574	3468	*97.6*	2991	2980	*99.6*
- STAPLE[e]	3362	3361	*99.9*	3764	3760	*99.9*	3892	3892	*100.0*	3958	3952	*99.8*	3639	3629	*99.7*	3561	3546	*99.6*	3274	3253	*99.4*
TOTAL MAN-MADE FIBER ABOVE	**7478**	**7451**	*99.6*	**8224**	**8194**	*99.6*	**8510**	**8489**	*99.8*	**8640**	**8621**	*99.8*	**7996**	**7944**	*99.3*	**7861**	**7737**	*98.4*	**6799**	**6762**	*99.5*
TEXTILE GLASS FIBER	678	678	*100.0*	791	791	*100.0*	887	887	*100.0*	922	922	*100.0*	874	874	*100.0*	982	964	*98.2*	876	876	*100.0*
TOTAL FIBERS ABOVE	**12078**	**11796**	*97.7*	**12623**	**12550**	*99.4*	**12961**	**12802**	*98.8*	**13058**	**13023**	*99.7*	**12389**	**12111**	*97.8*	**12145**	**11799**	*97.2*	**10630**	**10431**	*98.1*

a. Available means mill consumption plus the imports of semimanufactured products - from the table above.

b. End Use from the summary table on page 140.

c. End Use as a percentage of Available.

d. Yarn includes monofilaments.

e. Staple includes tow, fiberfill and waste.

IMPORTS FOR CONSUMPTION - MILLION POUNDS

YEAR	SILK RAW MATL	SILK SEMI-MFRD	SILK FIN-ISHED	SILK TOTAL	LINEN RAW MATL	LINEN SEMI-MFRD	LINEN FIN-ISHED	LINEN TOTAL	JUTE RAW MATL	JUTE SEMI-MFRD	JUTE FIN-ISHED	JUTE TOTAL	SISAL & OTHERS RAW MATL	SISAL & OTHERS SEMI-MFRD	SISAL & OTHERS FIN-ISHED	SISAL & OTHERS TOTAL	TOTAL IMPORTS (TO THE LEFT)
1976	2.8	1.4	1.3	**5.5**	0.9	4.8	34.3	**40.0**	46.2	583.3	60.9	**690.4**	102.2	7.6	271.3	**381.1**	**1117.0**
1977	1.6	2.0	1.8	**5.4**	0.4	3.4	35.2	**39.0**	26.7	597.9	29.2	**653.8**	115.9	3.7	253.6	**373.2**	**1071.4**
1978	2.0	3.6	3.5	**9.1**	1.0	5.2	36.2	**42.4**	37.6	588.6	38.2	**664.4**	127.8	8.4	234.0	**370.2**	**1086.1**
1979	1.5	2.8	3.9	**8.2**	0.9	5.1	30.4	**36.4**	48.5	488.8	13.5	**550.8**	117.0	4.7	304.8	**426.5**	**1021.9**
1980	1.0	3.1	4.4	**8.5**	0.6	2.9	27.7	**31.2**	20.9	380.4	13.6	**414.9**	104.6	5.6	242.2	**352.4**	**807.0**
1981	2.0	4.7	8.3	**15.0**	2.9	2.2	22.2	**27.3**	38.7	382.9	13.4	**435.0**	82.9	11.9	211.7	**306.5**	**783.8**
1982	2.0	4.9	10.1	**17.0**	7.8	1.7	20.0	**29.5**	39.5	277.0	12.1	**328.6**	81.6	9.9	169.6	**261.1**	**636.2**

SOURCE: U.S. Census Bureau.

Because these fibers are not grown in the United States (flax production is nominal), imports are taken as the total available supply.

SILK. **Raw material** means raw silk plus silk waste & noils. **Semimanufactured** means spun & thrown silk yarns and silk fabrics. **Finished goods** are mainly scarves, handkerchiefs, blouses and laces.

LINEN. **Raw material** includes hackled and unhackled flax, noils, tow & straw. **Semimanufactured** includes linen yarn, sliver & roving. **Finished goods** are mainly fabrics, handkerchiefs, toweling, napery & dresses.

JUTE. **Raw material** includes unmanufactured jute and jute butts. **Semimanufactured** means yarn & roving, new & waste bagging and burlap in the piece. **Finished goods** are mainly cordage, bags and webbing.

SISAL & OTHERS includes all of the *hard or leaf fibers* (e.g., abaca or manila hemp, coir, crin, henequen, istle or tampico, sisal, etc.) **imported** into the United States plus the *soft or bast fibers* (e.g., hemp, ramie, sunn, etc.) except flax or linen and jute, which are tabulated separately here. **Semimanufactured** is chiefly coir yarns & roving. **Finished goods** are mainly cordage and twine.

APPAREL[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
TOTAL APPAREL	**1976**	**4830.5**	**2967.7**	**216.0**	**72.1**	**1308.7**	**1370.9**	**1736.0**	**126.8**
	1977	**5135.0**	**3267.8**	**219.1**	**84.4**	**1456.2**	**1508.1**	**1734.7**	**132.5**
	1978	**5023.0**	**3201.2**	**227.6**	**79.0**	**1444.1**	**1450.5**	**1683.1**	**138.7**
	1979	**4825.5**	**2997.3**	**244.8**	**96.4**	**1358.7**	**1297.4**	**1696.2**	**132.0**
	1980	**4728.3**	**2951.0**	**222.2**	**76.2**	**1306.2**	**1346.4**	**1651.9**	**125.4**
	1981	**4478.2**	**2744.5**	**194.3**	**115.0**	**1183.8**	**1251.4**	**1585.2**	**148.5**
	1982	**3963.2**	**2386.1**	**141.9**	**68.8**	**982.2**	**1193.2**	**1449.7**	**127.4**
40 SHEER HOSIERY (W)*	1976	56.2	56.2	--	--	56.2	--	--	--
	1977	54.7	54.7	--	--	54.7	--	--	--
	1978	60.9	60.9	--	--	60.9	--	--	--
	1979	66.1	66.1	--	--	66.1	--	--	--
	1980	70.7	67.8	--	--	67.8	--	r2.9	--
	1981	73.0	69.9	--	--	69.9	--	r3.1	--
	1982	71.6	68.5	--	--	68.5	--	3.1	--
19 41 ANKLETS & SOCKS (MW)*	1976	140.9	99.7	--	0.2	48.6	50.9	39.2	2.0
	1977	165.9	129.2	--	0.4	55.9	72.9	34.7	2.0
	1978	178.5	136.3	--	0.3	56.0	80.0	40.2	2.0
	1979	167.1	131.4	--	0.5	52.7	78.2	33.2	2.5
	1980	186.4	151.9	--	0.5	56.9	94.5	r32.1	2.4
	1981	190.8	149.1	--	0.7	60.3	88.1	r38.9	2.8
	1982	173.2	139.9	--	0.4	51.7	87.8	30.8	2.5
8 29 SWEATERS & RELATED ACCESSORIES (MW)*	1976	126.9	111.0	--	c	8.1	102.9	6.9	9.0
	1977	158.1	139.0	--	0.7	16.9	121.4	7.6	11.5
	1978	145.4	126.2	--	0.7	10.1	115.4	7.5	11.7
	1979	124.8	103.9	--	0.7	10.2	93.0	6.6	14.3
	1980	137.3	115.8	--	0.1	12.6	103.1	7.9	13.6
	1981	139.7	113.8	--	0.6	0.9	112.3	r9.8	16.1
	1982	119.8	92.7	--	1.0	1.4	90.3	12.1	15.0
57 CRAFT & HANDWORK YARNS*	1976	93.4	86.2	--	3.4	--	82.8	5.0	2.2
	1977	123.1	116.9	--	3.3	--	113.6	4.2	2.0
	1978	130.8	125.0	--	1.7	c	123.3	3.8	2.0
	1979	129.0	121.1	--	0.9	c	120.2	3.7	4.2
	1980	126.0	118.7	c	0.2	c	118.5	3.3	4.0
	1981	100.6	92.9	--	0.7	c	92.2	r3.0	4.7
	1982	98.9	91.9	--	0.6	--	91.3	2.5	4.5
16-18 UNDERWEAR & NIGHTWEAR (M)* SILK	1976	257.0	59.2	--	--	2.0	57.2	196.9	0.9
	1977	251.7	66.5	--	--	6.3	60.2	184.2	1.0
	1978	254.7	74.6	--	0.3	14.6	59.7	179.1	1.0
	1979	257.6	86.3	--	0.8	21.3	64.2	170.3	1.0
	1980	250.9	104.0	--	0.8	26.2	77.0	r145.9	1.0
	1981	226.9	84.9	--	1.1	20.9	62.9	r140.8	1.2
	1982	222.7	79.6	--	--	16.3	63.3	142.1	1.0
35-39 UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS (W)* SILK	1976	199.3	146.7	23.0	1.5	110.4	11.8	51.6	1.0
	1977	242.7	185.9	19.2	2.2	148.7	15.8	55.8	1.0
	1978	258.7	190.3	14.7	3.2	141.7	30.7	67.4	1.0
	1979	240.8	184.1	18.7	2.1	137.5	25.8	55.7	1.0
	1980	209.9	169.0	19.7	0.6	117.0	31.7	r39.9	1.0
	1981	203.3	162.0	18.3	c	111.0	32.7	r40.1	1.2
	1982	173.1	136.1	10.9	--	89.4	35.8	36.0	1.0
10 31 ROBES & LOUNGEWEAR (MW)* SILK	1976	99.1	76.5	39.8	--	33.6	3.1	20.6	2.0
	1977	113.9	91.2	56.3	--	30.4	4.5	20.2	2.5
	1978	133.0	111.1	70.3	c	33.7	7.1	19.9	2.0
	1979	134.2	110.8	60.5	0.9	36.2	13.2	20.9	2.5
	1980	145.7	126.3	63.0	0.4	38.0	24.9	r17.0	2.4
	1981	120.1	102.5	44.6	0.2	33.5	24.2	r14.8	2.8
	1982	82.0	67.4	34.5	--	23.7	9.2	12.3	2.3

a. For all lettered and general footnotes to this table and the Home Furnishings and Industrial & Other Consumer-Type Products tables, please see pages 150-152.

APPAREL[a] *(Continued)*

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
54a HIGH PILE FABRICS*	1976	110.0	110.0	--	0.1	3.1	106.8		
	1977	125.0	125.0	--	0.1	6.8	118.1	IN	IN
	1978	115.7	115.7	--	--	10.5	105.2	ITEM	ITEM
	1979	103.0	103.0	c	0.4	13.5	89.1	54b	54b
	1980	100.4	100.4	--	0.1	14.3	86.0	BELOW	BELOW
	1981	78.6	78.6	--	0.3	13.1	65.2		
	1982	64.1	64.1	--	--	7.0	57.1		
54b FABRICS FOR LINING*	1976	223.5	145.1	89.5	7.2	27.8	20.6	75.2	3.2
	1977	226.8	152.5	93.4	7.2	25.3	26.6	70.8	3.5
	1978	218.7	150.1	92.3	6.6	23.8	27.4	65.6	3.0
	1979	206.7	146.4	86.8	8.7	24.0	26.9	57.8	2.5
	1980	182.6	123.6	78.0	7.5	17.0	21.1	r56.6	2.4
	1981	198.7	144.7	92.7	3.4	19.2	29.4	r51.2	2.8
	1982	144.4	100.6	70.1	1.0	15.7	13.8	41.3	2.5
43 APPAREL LACE (W)*	1976	6.8	5.3	3.5	--	1.8	--	1.5	--
	1977	8.0	6.5	3.5	--	3.0	--	1.5	--
	1978	10.0	8.5	3.7	--	4.8	--	1.5	--
	1979	6.8	5.3	1.7	--	3.6	--	1.5	--
	1980	6.7	5.2	--	--	5.2	--	1.5	--
	1981	8.0	6.5	--	--	6.5	--	1.5	--
	1982	8.7	7.2	--	--	7.2	--	1.5	--
55 RETAIL PIECE GOODS*	1976	477.7	340.0	7.5	7.5	225.0	100.0	132.2	5.5
	1977	459.1	330.0	6.0	6.0	199.0	119.0	124.1	5.0
	1978	405.5	291.0	5.0	5.0	161.0	120.0	110.5	4.0
	1979	348.0	250.0	4.0	4.0	121.0	121.0	94.0	4.0
	1980	316.7	230.0	3.0	3.0	102.0	122.0	r83.7	3.0
	1981	310.5	229.5	2.5	2.0	97.0	128.0	77.4	3.6
	1982	288.8	217.3	3.5	1.8	83.0	129.0	68.3	3.2
56a NARROW FABRICS*	1976	48.1	22.5	7.7	0.6	11.4	2.8	25.6	--
	1977	42.9	23.3	5.7	0.6	13.4	3.6	19.6	--
	1978	54.9	29.9	5.6	0.2	16.0	8.1	25.0	--
	1979	48.4	25.4	5.1	0.4	13.1	6.8	23.0	--
	1980	52.8	29.6	7.5	0.3	17.2	4.6	23.2	--
	1981	46.6	21.6	5.2	--	r14.0	2.4	25.0	--
	1982	40.8	17.8	0.9	--	15.3	1.6	23.0	--
TOPWEIGHT FABRICS*	1976	907.0	569.0	38.0	35.0	157.0	339.0	336.0	2.0
	1977	982.0	629.0	25.0	43.0	206.0	355.0	351.0	2.0
	1978	1041.3	689.0	24.0	42.0	263.0	360.0	349.8	2.5
	1979	1048.6	686.0	42.0	49.0	265.0	330.0	360.1	2.5
	1980	1008.7	633.0	32.0	41.0	250.0	310.0	373.3	2.4
	1981	930.7	555.0	20.0	70.0	185.0	280.0	372.9	2.8
	1982	824.1	454.0	14.0	40.0	120.0	280.0	368.0	2.1
BOTTOMWEIGHT FABRICS*	1976	2018.0	1135.0	7.0	15.0	623.0	490.0	784.0	99.0
	1977	2097.0	1212.0	10.0	18.0	689.0	495.0	783.0	102.0
	1978	1931.6	1088.0	12.0	19.0	647.0	410.0	734.3	109.5
	1979	1860.3	966.0	26.0	28.0	592.0	320.0	796.8	97.5
	1980	1860.6	970.0	19.0	21.0	580.0	350.0	797.4	93.2
	1981	1772.5	922.0	11.0	31.0	550.0	330.0	740.0	110.5
	1982	1589.3	839.0	8.0	21.0	480.0	330.0	657.0	93.3
OTHER APPAREL & ACCESSORIES (MW)*	1976	66.6	5.3	--	1.6	0.7	3.0	61.3	c
	1977	84.1	6.1	--	2.9	0.8	2.4	78.0	c
	1978	83.1	4.6	--	c	1.0	3.6	78.5	c
SILK, LINEN	1979	84.1	11.5	--	c	2.5	9.0	72.6	c
	1980	72.9	5.7	--	0.7	2.0	3.0	r67.2	c
	1981	78.2	11.5	--	5.0	2.5	4.0	r66.7	c
	1982	61.7	10.0	--	3.0	3.0	4.0	51.7	c

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook***.

HOME FURNISHINGS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL HOME FURNISHINGS	**1976**	**3526.4**	**2572.8**	**45.0**	**170.6**	**921.5**	**1435.7**	**920.6**	**33.0**
	1977	**3842.3**	**2904.7**	**54.2**	**157.9**	**1072.1**	**1620.5**	**905.6**	**32.0**
	1978	**3995.7**	**3097.4**	**56.3**	**182.1**	**1160.2**	**1698.8**	**863.0**	**35.3**
	1979	**4091.7**	**3216.8**	**48.1**	**146.3**	**1244.0**	**1778.4**	**848.0**	**26.9**
GLASS: 1976-1982	**1980**	**3656.0**	**2828.3**	**47.3**	**122.4**	**1189.2**	**1469.4**	**801.9**	**25.8**
28.4, 18.0, 16.5,	**1981**	**3518.7**	**2722.3**	**35.7**	**119.9**	**1117.3**	**1449.4**	**767.7**	**28.7**
15.4, 12.5, 12.7, 8.8	**1982**	**3147.1**	**2425.0**	**26.0**	**78.4**	**1013.3**	**1307.3**	**696.1**	**26.0**
45 BEDSPREADS & QUILTS*	1976	148.4	62.8	13.2	5.1	19.5	25.0	85.6	--
	1977	147.4	65.1	7.5	5.1	20.5	32.0	82.3	--
	1978	138.2	74.5	3.5	6.0	25.0	40.0	63.7	--
	1979	137.3	76.5	3.0	3.0	23.5	47.0	60.8	--
	1980	128.2	73.0	5.4	2.1	r 15.5	50.0	55.2	--
	1981	125.4	75.7	r 4.9	3.1	r 15.7	r 52.0	r 49.7	--
	1982	116.8	70.2	3.8	2.4	14.0	50.0	46.6	--
46 BLANKETS & BLANKETING*	1976	107.7	93.3	0.1	0.3	4.0	88.9	8.8	5.6
	1977	130.3	115.7	0.2	--	4.8	110.7	8.8	5.8
	1978	129.2	114.7	0.1	2.0	4.7	107.9	8.5	6.0
	1979	112.1	100.3	0.1	2.0	4.1	94.1	7.3	4.5
	1980	109.1	97.2	--	2.0	3.5	91.7	7.9	4.0
	1981	90.5	78.9	--	0.9	3.5	74.5	r 7.1	4.5
	1982	79.2	68.0	--	c	2.5	65.5	7.2	4.0
47 SHEETS & OTHER BEDDING*	1976	528.5	248.4	0.2	8.7	9.2	230.3	280.1	--
	1977	525.2	242.1	0.7	13.7	19.3	208.4	283.1	--
LINEN	1978	506.8	237.4	2.4	13.6	18.1	203.3	269.4	--
	1979	508.5	254.1	3.0	9.0	22.2	219.9	r 254.4	--
	1980	507.9	263.8	2.3	9.4	25.9	226.2	244.1	--
	1981	534.4	299.5	r 2.6	13.8	34.0	249.1	r 234.9	--
	1982	444.0	243.4	3.9	10.6	43.2	185.7	200.6	--
48 TOWELS & TOWELING*	1976	285.5	13.4	--	0.5	--	12.9	272.1	--
	1977	308.6	28.5	--	0.5	--	28.0	280.1	--
LINEN, RAMIE	1978	308.2	27.9	--	0.5	--	27.4	280.3	--
	1979	334.3	34.3	--	0.5	c	33.8	300.0	--
	1980	328.5	35.3	--	0.9	c	34.4	293.2	--
	1981	326.7	32.6	--	0.9	0.3	31.4	294.1	--
	1982	306.6	28.7	--	0.6	0.8	27.3	277.9	--
56b NARROW FABRICS*	1976	6.5	0.8	0.8	--	--	--	5.7	--
	1977	5.7	1.3	0.5	--	0.8	c	4.4	--
	1978	7.2	2.5	1.4	--	0.8	0.3	4.7	--
	1979	6.2	1.9	0.6	--	0.9	0.4	4.3	--
	1980	5.3	1.4	0.2	0.1	0.6	0.5	3.9	--
	1981	6.1	2.3	--	--	0.9	1.4	3.8	--
	1982	5.0	1.8	--	--	0.4	1.4	3.2	--

HOME FURNISHINGS[a] *(Continued)*

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	CELLULOSIC YARN	CELLULOSIC STAPLE	NONCELL. YARN	NONCELL. STAPLE	COTTON	WOOL
50 TOTAL CARPETS & RUGS*	1976	1781.8	1752.9	0.3	1.8	755.4	995.4	13.4	15.5
	1977	2011.2	1984.7	c	1.0	881.2	1102.5	13.7	12.8
	1978	2178.1	2149.1	--	0.9	970.4	1177.8	15.8	13.2
STEEL	1979	2270.7	2243.2	--	0.6	1038.5	1204.1	16.6	10.9
SEE DETAIL IN	1980	1926.0	1900.7	--	0.2	1001.8	898.7	14.9	10.4
ITEMS 50a & b	1981	1818.6	1794.2	--	0.7	918.4	875.1	12.9	11.5
FOLLOWING	1982	1700.4	1678.7	--	0.7	834.2	843.8	11.2	10.5
50a FACE YARNS*	1976	1590.4	1571.6	--	1.8	577.7	992.1	3.3	15.5
	1977	1796.4	1780.7	--	1.0	684.8	1094.9	2.9	12.8
	1978	1938.1	1921.7	--	0.9	756.7	1164.1	3.2	13.2
	1979	2009.0	1994.4	--	0.6	817.8	1176.0	3.7	10.9
NON ADD	1980	1686.1	1672.7	--	0.2	804.0	868.5	3.0	10.4
SEE DETAIL	1981	1581.2	1567.1	--	0.7	723.1	843.3	2.6	11.5
IN FOOTNOTE	1982	1471.9	1459.5	--	0.7	649.5	809.3	1.9	10.5
50b BACKING*	1976	191.4	181.3	0.3	--	177.7	3.3	10.1	--
	1977	214.8	204.0	c	--	196.4	7.6	10.8	--
	1978	240.0	227.4	--	--	213.7	13.7	12.6	--
GLASS, JUTE, PAPER	1979	261.7	248.8	--	--	220.7	28.1	12.9	--
	1980	239.9	228.0	--	--	197.8	30.2	11.9	--
NON ADD	1981	237.4	227.1	--	--	195.3	31.8	10.3	--
SEE ITEM 50	1982	228.5	219.2	--	--	184.7	34.5	9.3	--
51 CURTAINS*	1976	67.5	54.1	3.7	19.1	19.8	11.9	13.4	--
	1977	74.0	62.0	1.8	16.3	23.3	20.6	12.0	--
ALSO SEE ITEM 52	1978	88.7	78.2	3.8	19.1	25.5	29.8	10.5	--
	1979	72.9	62.3	1.4	10.6	23.7	26.6	10.6	--
GLASS: 1976-1982	1980	89.5	80.1	4.0	7.5	28.4	40.2	9.4	--
0.4, 0.2, 0.1,	1981	82.2	73.4	r 5.6	6.8	25.2	35.8	8.8	--
0, 0, 0, 0	1982	61.3	53.3	1.3	5.3	18.3	28.4	8.0	--
52 DRAPERY & UPHOLSTERY*	1976	566.0	339.1	26.4	135.0	108.4	69.3	215.0	11.9
	1977	587.0	379.8	41.5	121.0	108.1	109.2	193.8	13.4
	1978	587.2	390.3	42.5	138.0	103.4	106.4	180.8	16.1
SILK, LINEN, BURLAP	1979	575.8	398.5	37.5	115.0	112.6	133.4	165.8	11.5
GLASS: 1976-1982	1980	487.9	328.8	34.1	94.4	94.7	105.6	r 147.7	11.4
23.4, 10.2, 6.9,	1981	468.0	322.7	r 21.4	91.4	103.5	106.4	r 132.6	12.7
7.6, 3.6, 3.7, 3.1	1982	376.5	245.2	15.9	57.7	79.4	92.2	119.8	11.5
OTHER HOME FURNISHINGS*	1976	34.5	8.0	0.3	0.1	5.2	2.4	26.5	--
	1977	52.9	25.5	2.0	0.3	14.1	9.1	27.4	--
	1978	52.1	22.8	2.6	2.0	12.3	5.9	29.3	--
LINEN	1979	73.9	45.7	2.5	5.6	18.5	19.1	28.2	--
GLASS: 1976-1982	1980	73.6	48.0	1.3	5.8	18.8	22.1	r 25.6	--
4.6, 7.6, 9.5,	1981	66.8	43.0	1.2	2.3	15.8	23.7	r 23.8	--
7.8, 8.9, 9.0, 5.7	1982	57.3	35.7	1.1	1.1	20.5	13.0	21.6	--

Noncellulosic yarn includes textile glass.

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook***.

INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL INDUSTRIAL & OTHER CONSUMER	**1976**	**2962.8**	**2386.0**	**60.8**	**254.1**	**1600.0**	**471.1**	**569.3**	**7.5**
	1977	**3154.6**	**2619.1**	**62.1**	**254.3**	**1752.6**	**550.1**	**527.5**	**8.0**
	1978	**3334.2**	**2853.4**	**66.7**	**234.8**	**1914.8**	**637.1**	**471.8**	**9.0**
	1979	**3485.7**	**3015.6**	**50.4**	**220.5**	**2019.7**	**725.0**	**461.6**	**8.5**
GLASS: 1976-1982	**1980**	**3109.0**	**2686.0**	**39.8**	**209.2**	**1804.7**	**632.3**	**412.3**	**10.7**
649.2, 773.3, 870.2,	**1981**	**3311.8**	**2914.9**	**41.4**	**188.8**	**2009.4**	**675.3**	**385.1**	**11.8**
907.2, 861.8, 951.1, 866.8	**1982**	**2984.2**	**2611.3**	**30.1**	**165.2**	**1777.5**	**638.5**	**362.6**	**10.3**
56c NARROW FABRICS*	1976	89.8	64.2	0.6	--	63.6	--	25.6	--
	1977	89.0	69.5	0.2	--	69.3	c	19.5	--
	1978	95.1	77.8	0.3	0.5	76.7	0.3	17.3	--
SILK, LINEN	1979	95.2	79.5	0.2	c	79.0	0.3	15.7	--
	1980	86.7	71.9	1.0	--	68.1	2.8	14.8	--
	1981	91.5	77.8	r3.4	--	74.0	0.4	13.7	--
	1982	87.4	74.9	3.1	--	70.5	1.3	12.5	--
61 MEDICAL, SURGICAL & SANITARY*	1976	293.3	200.6	--	174.0	16.6	10.0	92.7	--
	1977	317.7	219.9	--	178.0	22.6	19.3	97.8	--
	1978	325.3	230.0	--	165.0	23.5	41.5	95.3	--
	1979	359.0	259.9	--	155.0	24.5	80.4	99.1	--
	1980	343.3	253.2	--	141.7	31.6	79.9	r90.1	--
	1981	336.2	248.5	--	122.1	38.1	88.3	r87.7	--
	1982	326.1	234.6	--	106.2	39.9	88.5	91.5	--
63 & 64 TRANSPORTATION FABRIC*	1976	75.3	40.4	0.9	2.5	12.4	24.6	34.9	--
	1977	78.2	49.5	0.5	5.8	13.3	29.9	28.7	--
	1978	66.4	45.4	2.9	6.5	16.4	19.6	21.0	--
	1979	59.0	42.5	0.6	2.9	18.8	20.2	16.5	--
	1980	48.5	37.8	--	1.1	16.5	20.2	r10.7	--
	1981	62.6	52.8	--	0.5	22.2	30.1	r9.8	--
	1982	47.8	38.7	--	1.4	22.8	14.5	9.1	--
65 TIRES*	1976	569.9	564.0	30.0	--	534.0	--	5.9	--
	1977	569.6	562.9	35.3	--	527.6	--	6.7	--
	1978	595.5	589.6	37.0	--	552.6	--	5.9	--
STEEL - SEE FOOTNOTE	1979	572.1	565.9	25.7	--	540.2	--	6.2	--
GLASS: 1976-1982	1980	418.4	413.0	20.5	--	392.5	--	5.4	--
24.8, 25.5, 29.0,	1981	428.8	424.1	18.9	--	405.2	--	4.7	--
27.4, 22.0, 23.7, 23.6	1982	376.9	373.3	12.5	--	360.8	--	3.6	--
66 HOSE*	1976	41.8	35.4	14.2	--	11.6	9.6	6.4	--
	1977	44.0	37.5	14.0	--	15.6	7.9	6.5	--
	1978	48.5	43.5	16.0	--	18.5	9.0	5.0	--
LINEN	1979	52.5	47.2	15.5	--	19.9	11.8	5.3	--
	1980	43.2	38.7	11.9	--	18.3	8.5	4.5	--
	1981	47.1	42.9	11.5	--	21.7	9.7	r4.2	--
	1982	30.1	26.3	7.0	--	15.5	3.8	3.8	--
67 BELTING*	1976	80.5	59.3	3.1	--	41.4	14.8	21.2	--
	1977	74.4	54.4	3.2	--	37.1	14.1	20.0	--
	1978	70.8	57.4	2.0	0.2	37.1	18.1	13.4	--
	1979	91.6	75.9	1.7	0.2	44.7	29.3	15.7	--
GLASS: 1976-1982	1980	62.4	50.5	1.0	0.7	34.5	14.3	r11.9	--
0.1, 0.1, 0.1,	1981	65.5	54.1	2.4	1.0	37.7	13.0	r11.4	--
0, 0, 0, 0	1982	46.8	37.8	1.8	0.5	26.7	8.8	9.0	--
69 77 ELECTRICAL & REINFORCED PLASTICS*	1976	536.0	511.0	--	--	511.0	--	25.0	--
	1977	619.8	594.8	--	--	594.8	--	25.0	--
	1978	678.8	653.8	c	--	653.6	0.2	25.0	--
SILK, LINEN, JUTE	1979	712.3	687.3	0.2	--	686.9	0.2	25.0	--
GLASS: 1976-1982	1980	647.1	622.1	--	--	622.1	c	25.0	--
507.6, 589.2, 648.2,	198i	727.3	702.3	c	--	702.2	0.1	25.0	--
680.7, 613.5, 696.2, 630.0	1982	661.6	636.6	--	--	636.6	c	25.0	--
70 FELTS*	1976	19.7	9.7	--	2.1	1.6	6.0	3.5	6.5
	1977	20.1	11.3	--	3.2	2.0	6.1	1.8	7.0
	1978	25.3	15.8	--	6.1	2.3	7.4	1.5	8.0
	1979	26.5	17.6	--	5.3	5.2	7.1	1.4	7.5
	1980	28.1	17.0	--	3.4	4.8	8.8	1.4	9.7
	1981	27.0	14.8	--	4.0	5.2	5.6	r1.4	10.8
	1982	20.2	9.6	--	--	4.6	5.0	1.3	9.3

INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a] *(Continued)*

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
71 FILTRATION*	1976	34.0	28.3	--	5.8	8.8	13.7	5.7	--
	1977	40.9	35.0	--	4.2	8.0	22.8	5.9	--
CIGARETTE FILTRATION -	1978	44.6	38.5	--	4.4	8.8	25.3	6.1	--
SEE FOOTNOTE	1979	46.0	40.8	--	3.5	10.5	27.0	5.2	--
GLASS: 1976-1982	1980	47.8	42.2	--	4.0	8.4	29.8	5.6	--
3.7, 3.8, 5.0,	1981	39.6	34.0	--	4.1	10.1	19.8	5.6	--
6.0, 4.3, 5.0, 4.0	1982	35.9	30.9	--	3.7	9.6	17.6	5.0	--
72 SEWING THREAD*	1976	124.6	51.9	0.5	2.9	36.9	11.6	72.7	--
	1977	116.3	56.2	0.3	4.5	39.4	12.0	60.1	--
	1978	116.6	61.4	0.2	4.3	42.2	14.7	55.2	--
SILK, LINEN	1979	111.3	62.6	0.1	3.7	45.7	13.1	48.7	--
	1980	111.9	64.7	c	5.6	46.2	12.9	r47.2	--
	1981	117.7	73.7	c	8.0	49.5	16.2	44.0	--
	1982	98.8	60.6	c	7.1	40.0	13.5	38.2	--
73 ROPE, CORDAGE, FISHLINE, ETC.*	1976	162.7	118.6	3.0	1.2	107.5	6.9	44.1	--
	1977	155.6	122.4	2.2	1.3	112.9	6.0	33.2	--
	1978	171.5	140.1	2.0	1.0	126.4	10.7	31.4	--
SISAL, LINEN,	1979	183.8	154.1	1.0	2.1	147.1	3.9	29.7	--
JUTE, SILK	1980	161.7	134.6	0.8	0.9	130.6	2.3	r27.1	--
	1981	172.4	148.2	1.8	0.7	137.4	8.3	r24.2	--
	1982	162.5	139.3	1.0	0.8	126.6	10.9	23.2	--
74 BAGS & BAGGING*	1976	58.7	49.7	--	--	49.7	c	9.0	--
	1977	53.3	46.0	--	--	45.8	0.2	7.3	--
	1978	51.8	44.5	--	--	44.5	--	7.3	--
JUTE	1979	62.2	55.0	--	--	53.6	1.4	7.2	--
	1980	67.2	60.4	--	--	60.4	--	6.8	--
	1981	69.5	62.9	--	--	61.6	1.3	6.6	--
	1982	68.8	62.6	--	--	62.6	--	6.2	--
75 COATED & PROTECTIVE FABRICS*	1976	178.1	110.9	--	19.1	31.7	60.1	67.2	--
	1977	169.7	102.0	--	17.4	28.5	56.1	67.7	--
	1978	170.3	107.4	--	10.6	36.8	60.0	62.9	--
	1979	167.3	113.8	0.1	10.2	40.9	62.6	53.5	--
GLASS: 1976-1982	1980	175.7	124.2	0.5	10.5	33.3	79.9	r51.5	--
3.8, 4.0, 4.0,	1981	173.0	124.7	--	10.4	33.1	81.2	r48.3	--
4.0, 3.0, 4.0, 3.0	1982	164.7	120.4	--	7.1	42.3	71.0	44.3	
76 PAPER & TAPE REINFORCING*	1976	52.6	45.2	1.9	4.3	38.0	1.0	7.4	--
	1977	58.6	51.2	1.4	6.5	42.6	0.7	7.4	--
	1978	52.0	45.4	1.5	3.0	40.4	0.5	6.6	--
JUTE	1979	46.7	41.6	1.2	c	40.0	0.4	5.1	--
GLASS: 1976-1982	1980	40.7	36.2	1.3	c	34.7	0.2	4.5	--
33.8, 38.5, 39.5,	1981	41.8	38.0	c	0.9	36.6	0.5	3.8	--
39.5, 32.7, 36.0, 28.5	1982	36.1	33.1	c	0.9	29.9	2.3	3.0	--
79a FIBERFILL, STUFFING & FLOCK*	1976	236.4	236.4	--	10.6	--	225.8	--	--
	1977	261.7	261.7	--	7.7	--	254.0	--	--
	1978	268.1	268.1	--	4.8	--	263.3	--	--
	1979	311.2	311.2	--	5.5	--	305.7	--	--
	1980	254.9	254.9	--	6.3	--	248.6	--	--
	1981	293.5	293.5	--	10.7	--	282.8	--	--
	1982	277.2	277.2	--	7.2	--	270.0	--	--
79b UNALLOCATED NONWOVENS*	1976	77.9	77.9	--	12.2	--	65.7	--	--
	1977	83.5	83.5	--	9.5	--	74.0	--	--
	1978	96.7	96.7	--	10.9	--	85.8	--	--
	1979	120.0	120.0	--	14.8	--	105.2	--	--
	1980	95.4	95.4	--	14.1	--	81.3	--	--
	1981	81.6	81.6	--	12.0	--	69.6	--	--
	1982	90.4	90.4	--	9.2	--	81.2	--	--
MISCELLANEOUS INDUSTRIAL & CONSUMER-TYPE PRODUCTS*	1976	331.5	182.5	6.6	19.4	135.2	21.3	148.0	1.0
	1977	402.2	261.3	5.0	16.2	193.1	47.0	139.9	1.0
	1978	456.9	338.0	4.8	17.5	235.0	80.7	117.9	1.0
	1979	469.0	340.7	4.1	17.5	262.7	56.4	127.3	1.0
GLASS: 1976-1982	1980	476.0	369.2	2.8	20.9	302.7	42.8	105.8	1.0
75.4, 112.2, 144.4,	1981	536.7	441.0	3.4	14.4	374.8	48.4	94.7	1.0
149.6, 186.3, 186.2, 177.7	1982	452.9	365.0	4.7	21.1	289.1	50.1	86.9	1.0

Noncellulosic yarn includes textile glass.

Most of the above data are taken from the Textile Economics Bureau's publication *Man-Made Fiber Producers' Handbook*.

EXPORTS OF DOMESTIC PRODUCTS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL EXPORTS OF DOMESTIC PRODUCTS	**1976**	**476.1**	**202.5**	**26.0**	**26.9**	**66.1**	**83.5**	**266.9**	**13.1**
	1977	**417.7**	**192.7**	**23.2**	**28.2**	**60.8**	**80.5**	**220.9**	**6.7**
	1978	**448.8**	**225.2**	**22.0**	**21.5**	**76.0**	**105.7**	**219.8**	**4.1**
	1979	**620.4**	**313.4**	**21.0**	**12.0**	**128.6**	**151.8**	**301.3**	**3.8**
	1980	**617.5**	**351.8**	**20.0**	**10.8**	**141.0**	**180.8**	**259.3**	**6.4**
	1981	**489.9**	**318.6**	**17.2**	**10.3**	**121.0**	**170.1**	**165.8**	**5.5**
	1982	**336.2**	**215.0**	**11.7**	**6.9**	**82.5**	**113.9**	**114.9**	**6.3**
80 YARN, THREAD, ETC.*	1976	61.1	36.9	e	6.0	e	30.9	18.5	5.7
	1977	59.6	39.5	e	9.4	e	30.1	16.9	3.2
	1978	72.3	37.7	e	3.5	e	34.2	32.0	2.6
	1979	94.2	55.8	e	4.0	e	51.8	34.2	4.2
	1980	105.1	53.3	e	3.3	e	50.0	47.0	4.8
	1981	103.9	62.2	e	3.9	e	58.3	38.1	3.6
	1982	75.2	40.2	e	2.5	e	37.7	30.1	4.9
81 WOVEN & KNIT FABRIC*	1976	415.0	165.6	26.0	20.9	66.1	52.6	248.4	1.0
	1977	358.1	153.2	23.2	18.8	60.8	50.4	204.0	0.9
	1978	376.5	187.5	22.0	18.0	76.0	71.5	187.8	1.2
	1979	526.2	257.6	21.0	8.0	128.6	100.0	267.1	1.5
	1980	512.4	298.5	20.0	7.5	141.0	130.0	212.3	1.6
	1981	386.0	256.4	17.2	6.4	121.0	111.8	127.7	1.9
	1982	261.0	174.8	11.7	4.4	82.5	76.2	84.8	1.4
82 TIRE CORD & CORD FABRIC*	1976								
	1977								
	1978								
	1979								
	1980								
	1981								
	1982								

INCLUDED IN TIRES (END USE 65)

NOTES FOR EXPORT ITEMS ABOVE

a. For all lettered and general footnotes to this table, see page 150.

These exports do not duplicate the end use poundages that are reported in Items 1 through 79. Apparel items are not tabulated here because they already have been counted as the fabric was cut, i.e., they are counted only once regardless of the subsequent place of sale or consumer use.

Similarly, fabrics for blankets, sheets, upholstery & draperies, carpets, etc., are excluded since they are measured at the mill level as an end use.

The exports of man-made fiber filament yarn+monofilaments, staple, tow, etc., are not tabulated in this section because these products are not a factor in U.S. mill consumption.

On the other hand, the two export items are recorded because, while they were processed or fabricated in U.S. mills, they were exported before reaching the point at which end use is measured.

These data agree with the corresponding figures on page 39 of the March 1983 *Organon,* as revised.

80. YARN, THREAD, ETC. consists of sliver, tops & roving; plied, thrown and spun yarn; sewing thread and handwork yarns; cotton twine and cordage; and advanced wool.

81. WOVEN & KNIT FABRIC consists of broad & narrow woven fabrics and knit cloth, except that cotton also includes table damask and tire cord & fabric. See footnote g on page 39 of the March 1983 *Organon.*

82. TIRE CORD & CORD FABRIC. The data shown in this series in previous *Organon* issues have been incorporated into Item 65, Tires. See footnote 65 on page 152.

SUMMARY OF MAN-MADE FIBER & SEMIMANUFACTURED IMPORTS

MILLION POUNDS

ITEM	1976	1977	1978	1979	1980	1981	1982
CELLULOSIC FIBERS							
YARN	25.1	23.5	25.7	13.3	8.3	10.7	7.0
STAPLE	43.2	57.8	41.1	16.5	10.3	16.8	13.4
WASTE	0.4	0.6	0.4	0.8	0.3	0.5	0.4
NONCELLULOSIC FIBERS							
YARN - SINGLES							
NYLON - TEXTURED	14.1	14.0	4.6	1.0	3.2	3.8	4.7
- OTHER	22.0	34.2	25.0	6.1	3.6	4.0	5.5
POLYESTER - TEXTURED	8.4	26.1	6.1	1.1	0.3	0.8	0.5
- OTHER	6.6	12.7	12.7	7.6	6.7	5.4	5.3
OTHER - TEXTURED	5.1	1.1	0.7	0.1	0.2	0.5	4.4
- OTHER	6.2	2.9	1.2	1.3	1.4	1.6	1.6
MONOFILAMENTS	1.4	1.3	1.6	2.4	4.0	2.6	1.5
STRIPS, OVER $1/LB	0.2	0.2	0.3	0.4	0.2	0.2	0.3
SUBTOTAL ABOVE	**64.0**	**92.5**	**52.2**	**20.0**	**19.6**	**18.9**	**23.8**
STAPLE[a] - NYLON	14.6	9.0	7.3	3.1	2.7	25.7	19.1
- POLYESTER	15.2	5.2	8.2	3.1	1.5	7.0	7.3
- ACRYLIC	18.6	17.0	21.8	16.0	15.9	13.9	12.3
- OLEFIN	+	+	0.1	0.1	0.1	1.1	0.6
- OTHER	18.9	21.7	23.1	17.1	15.3	12.7	11.8
SUBTOTAL ABOVE	**67.3**	**52.9**	**60.5**	**39.4**	**35.5**	**60.4**	**51.1**
WASTE, NOT ADVANCED - NYLON	16.9	13.0	14.6	12.8	11.7	25.3	22.2
- POLYESTER	3.7	2.5	5.4	3.3	6.0	18.1	11.2
- ACRYLIC	5.5	3.6	3.3	2.4	2.4	2.9	0.9
- OTHER	3.3	3.2	1.5	1.6	1.0	3.0	2.5
NOILS & GARNETTED FIBERS	+	+	+	+	+	0.1	0.1
OTHER WASTE, ADVANCED	1.1	0.9	1.2	1.0	0.6	0.6	0.9
SUBTOTAL ABOVE	**30.5**	**23.2**	**26.0**	**21.1**	**21.7**	**50.0**	**37.8**
TOTAL FIBER ABOVE[b]	**230.5**	**250.5**	**205.9**	**111.1**	**95.7**	**157.3**	**133.5**
SEMIMANUFACTURES							
SILVER, TOPS & ROVING	2.9	4.8	7.6	6.7	2.8	3.7	2.7
YARNS, THROWN OR PLIED	3.8	3.5	4.2	2.6	2.2	4.8	6.7
SPUN YARNS	10.0	28.0	45.4	25.6	22.9	23.5	26.5
SEWING THREAD & HANDWORK YARN	2.5	3.5	2.5	2.6	2.3	2.8	2.3
WOVEN FABRICS	64.2	67.7	87.8	64.6	67.3	95.4	93.3
NARROW FABRICS	6.9	7.5	9.4	9.0	8.1	8.7	10.1
KNIT FABRIC	13.1	12.6	12.4	8.0	6.0	2.2	2.3
SUBTOTAL ABOVE	**103.4**	**127.6**	**169.3**	**119.1**	**111.6**	**141.1**	**143.9**
TEXTILE GLASS FIBER	14.3	22.0	21.8	10.3	7.3	18.2	14.1
TOTAL SEMIMANUF. ABOVE[c]	**117.7**	**149.6**	**191.1**	**129.4**	**118.9**	**159.3**	**158.0**
GRAND TOTAL ABOVE	**348.2**	**400.1**	**397.0**	**240.5**	**214.6**	**316.6**	**291.5**

a. Includes grouped filaments.

b. **SOURCE:** U.S. Bureau of the Census.

c. **SOURCE:** *Cotton and Wool Situation*, U.S. Department of Agriculture.

For imports of fiber, the data are taken from the monthly summaries in each *Organon*. A listing of the commodity numbers used may be found on page 157 of this issue under the monthly import table.

GENERAL NOTES FOR THE END USE TABLES ON PAGES 142-148.

Units are in million pounds.

c. Means less than 50,000 pounds, i.e., nominal.

– Means that little, or none, of the fiber is used.

* When an asterisk appears, there is a footnote at the end of the table.

• Means a significant revision in the 1976-1982 data series compared with the corresponding data shown in the November 1982 *Organon* issue. Earlier years' data on the new basis are not available.

a. This letter in the title of each table refers the reader to these notes.

b. Man-made fiber end use in these tables is divided between Cellulosic (rayon+acetate fibers) and Noncellulosic (nylon, polyester, acrylic, olefin, saran, spandex and textile glass fiber). Yarn includes monofilaments and olefin "yarn" also includes film fiber and spunbonded polypropylene. Staple includes tow & fiberfill; see Item 79a, Fiberfill, Stuffing & Flock and its footnote on page 152. All textile glass fiber is tabulated as yarn. Certain waste poundages, which are tabulated with staple, are included; see text on page 139.

The noncellulosic fibers included in this survey, for one or more years, are the acrylic, aramid, modacrylic, nylon, olefin (polyethylene & polypropylene), polyester, saran, spandex and vinyon fibers.

d. The staple data are tabulated in the yarn column.

e. The yarn data are tabulated in the staple column.

r. This datum shows a significant revision compared with the November 1982 *Organon* data.

When textile glass fiber is included in an end use, the word "Glass" appears in the lower left corner of the end use box, together with the annual consumption data for 1976-1982. These glass fiber poundages are included with noncellulosic yarn in that end use and in the section totals.

When silk, linen, jute, sisal, etc., are consumed in an end use, in addition to cotton, wool and the man-made fibers, the fiber is named in the middle left of the end use box. But no poundage data for such fibers are included in either such end use or in the section totals.

As described in the footnotes to Items 54a and 54b above, apparel linings, pockets and such are tabulated in Items 54a and 54b and not with the applicable garments.

In the Apparel table, the sex and age classifications used are those of the U.S. Census Bureau. Thus **M** means Men's plus Boys' and **W** means all other persons, i.e., Women's, Misses', Juniors', Girls', Children's & Infants'.

NOTES FOR APPAREL ITEMS (PAGES 142-143)

a. For all lettered and general footnotes to this table, see notes above.

40. SHEER HOSIERY (W) includes full-fashioned & seamless full-length, pantyhose, knee-highs and surgical hosiery. Bodywear is in Items 35-39.

19, 41. ANKLETS & SOCKS (MW) includes men's and women's foot socks, anklets and nonsheer knee-high hose. Also includes men's midcalf and surgical hose.

8, 29. SWEATERS (MW) includes knitted sweater shirts, coats, jackets and related accessories. Also note Item 57.

57. CRAFT & HANDWORK YARNS includes yarn and thread for crocheting, darning, embroidery, mending, hand knitting, etc. The item does not include sewing thread (Item 72). Olefin yarn for macrame is in Miscellaneous Industrial.

16-18. UNDERWEAR & NIGHTWEAR (M) includes undershirts, shorts & briefs, sleep coats, pajamas, nightshirts, thermal underwear, etc.

35-39. UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS. The underwear and nightwear component includes full and half slips, panties, pettipants, camisoles, vests, briefs and thermal underwear as well as nightgowns, sleep & lounging pajamas, sleep coats, peignoir & robe sets with nightgowns or pajamas, negligees and bedjackets. Includes bodywear and all children's and infants' underwear & nightwear. **Excludes** the trim, elastic webbing, apparel lace, braid or narrow fabric used in these products.

The bras and foundations component includes bandeaux, corsets & girdles, combination & one-piece garments, garter belts, two-way stretch and surgical & maternity foundation garments.

10, 31. ROBES & LOUNGEWEAR (MW) includes men's & boys' beach & bathrobes, dressing gowns and smoking jackets; and women's beach & bathrobes and housecoats.

54a. HIGH PILE FABRICS includes all applications (Apparel, Home Furnishings and Industrial). Apparel shell fabrics and "surface lining" garment items are included.

54b. FABRICS FOR LINING includes all man-made fiber types except high pile fabrics (Item 54a), lining-type fabrics sold as retail piece goods (see Item 55) and the lining components of shoes & slippers and luggage and handbags (Miscellaneous Other Consumer-Type). The apparel lining component of this series includes main linings, interlinings, zip-in linings (except pile), linings for pockets and waistbands as well as the acetate and nylon tricot used for laminating. Cotton drapery linings are not included here but are in Item 52. Also not included are interlinings of haircloth, urethane and nonwoven fabrics.

43. APPAREL LACE includes nets and veilings.

55. RETAIL PIECE GOODS are mainly women's apparel-type fabrics but all other types of apparel fabrics are included in addition to fabrics destined for apparel linings and home furnishings application.

56a. NARROW FABRICS includes **ELASTIC AND NONELASTIC TYPES.** The "narrow woven goods" made by slicing thermoplastic fiber broad woven fabrics with a hot knife to produce fused-edge narrow fabrics are not included here. **NARROW FABRIC** poundages for home furnishings and industrial uses are shown in those sections.

TOPWEIGHT FABRICS includes all shirts, blouses, lightweight dress and other lightweight fabrics. The fabrics generally weigh 5.0 ounces or less per square yard. Retail piece goods are in Item 55.

BOTTOMWEIGHT FABRICS includes pants, sportswear, tailored clothing, career apparel and other heavier weight fabrics. The fabrics generally weigh more than 5.0 ounces per square yard. Retail piece goods are in Item 55.

OTHER APPAREL includes men's & women's work gloves and handkerchiefs. Man-made fiber used for knitted accessories such as scarves, mufflers, gloves, caps, etc., is in Items 8 & 29.

NOTES FOR HOME FURNISHING ITEMS (PAGES 144-145)[a]

a. For all lettered and general footnotes to this table, see page 150.

HOME FURNISHINGS. These data cover the use of each item not only in homes, but also in offices, hotels, institutions, etc. For certain transportation uses, note Items 50a, 63 & 64.

None of the poundages tabulated include any cotton stuffing or filling materials in items such as furniture, pillows, mattresses, comforters & quilts, sleeping bags, seat padding, etc. For the man-made fibers, however, stuffing & fiberfill is tabulated in the Industrial section. Note text page 139 regarding the inclusion of certain man-made fiber waste poundages here. Certain felt poundages are in Item 70.

45. **BEDSPREADS** includes tailored & throw spreads, both tufted & woven, as well as the backing. **QUILTS** includes comforters and their outer shell; quilted pads are in Item 47.

46. **BLANKETS & BLANKETING** includes woven, knitted, needle-punched and flocked full-size and crib blankets and electric blanket shells, as well as the woven acetate or nylon filament yarn bindings thereof. Sizable poundages of rayon, acrylic, nylon & wool waste are included here.

47. **SHEETS** includes pillowcases. **OTHER BEDDING** includes the outside cover of quilted pads, mattress pads, mattresses & innersprings, civilian cots and sleeping bags. Mattress felts are in Item 70. The man-made staple poundages here are mainly polyester for sheets and rayon & polyester for bed ticking. The man made filament is chiefly polyester for bed ticking.

48. **TOWELS & TOWELING** includes woven hand, bath, dish towels, etc. Nonwoven towels, such as "Handi-wipes" and industrial wiping cloths, are in Item 61. The large cotton waste poundage used in these products is not included.

56b. **NARROW FABRICS** includes only home furnishings applications. See the Apparel and Industrial sections for Narrow Fabrics in those applications.

50. **CARPETS & RUGS (TOTAL)** is the sum of 50a & 50b.

50a. **FACE YARNS.** The data include tufted, woven, knitted and needle-punched types. Tufted includes broadloom & roll goods, transportation carpeting, scatter rugs, bath mats and "grass." Woven includes carpets such as Axminster, Velvet, Wilton, etc. Knit goods are mainly scatter rugs. Needle-punched are the indoor-outdoor carpets. Item 50a does not include braided, hooked or woven twisted paper carpets.

50b. **CARPET BACKING FIBERS.** The Cellulosic Yarn is industrial rayon used for woven carpet chain warps. The Other Yarn is olefin (monofil+film fiber+spunbonded) and small poundages of nylon & polyester filament yarn. The Other Staple is olefin only.

The substantial poundages of jute used as woven primary & secondary carpet backing, as well as the jute yarn used in the warp of woven carpets, are not tabulated in Item 50b. Nor does it include the poundages of wool, hair and jute used in carpet and rug pads and cushions.

51. **CURTAINS** includes lace and other types (principally woven), i.e., cafe, tiered & cottage; ruffled; shortie drapes and tailored. Shower curtains are in Other Home Furnishings.

52. **DRAPERY & UPHOLSTERY** includes furniture slipcovers and vinyl-coated cotton fabrics for upholstery. The olefin & saran webbing for outdoor furniture is included under Narrow Woven Industrial (Item 56c). Also includes the backing & headers of drapery fabrics. The cotton data include cotton drapery linings.

OTHER HOME FURNISHINGS includes woven & lace napery, such as tablecloths & napkins, doilies, etc., as well as the cotton in window shades. For the man-made fibers, it includes insect screening & netting. Wall-covering fabric is in Miscellaneous Industrial.

NOTES FOR INDUSTRIAL & OTHER CONSUMER-TYPE ITEMS (PAGES 146-147)[a]

a. For all lettered and general footnotes to this table, see page 150.

56c. **NARROW FABRICS** here includes woven labels, industrial webbing, shoelaces, tapes (venetian blinds & industrial), transportation seat belts, auto windlace, channeling & trim, and outdoor furniture webs. These figures exclude transmission & conveyor belting (in Item 67); friction tape and the braided narrow fabric used in electrical applications (in Item 69); and gummed cotton tape (in Item 76).

61. **MEDICAL, SURGICAL & SANITARY** includes bandages, gauzes, adhesive tapes & plasters, sanitary napkins & tampons, cotton diapers, rayon disposable diapers, surgical gowns and packs. Medical sutures are tabulated in Item 72. Surgical hosiery is in Items 19 & 40. Not included here is cotton waste & linters nor any nontextiles used for filling materials.

63 & 64. **TRANSPORTATION FABRIC** includes auto seat upholstery & slipcovers, sidewall, headlining (except textile glass in Item 77) and sheeting. The cotton poundages include the knit and woven fabric used as the backing for vinyl sheeting. The item includes convertible auto tops & replacements thereof, as well as upholstery used in other kinds of transportation, such as airplanes, railroad & subway cars, buses, etc. It does not include seat padding, transportation rugs (in Item 50), window channeling (in Item 56c), flocking, tassels, trim, etc., or the textile glass fiber used in reinforced plastic seating for subways, buses, etc. (in Item 77). Starting in 1978, the man-made fiber used for substrates for automotive fabric is included in Item 75.

65. **TIRES** includes all types, i.e., automobile, truck, tractor, off-road, bicycle, etc. The data include tire cord & tire cord fabric, chafer and other tire components, i.e., flipper fabric, breaker strips, bead wraps, etc.

The data include imports of tire yarn, cord & fabric and also cover any poundages subsequently exported in cord or fabric form. The glass figures represent uncoated yarns.

The consumption of steel tire cord for the years 1976-1982 inclusive is estimated as follows: 140.0, 182.0, 182.0, 180.0, 142.0, 154.3 & 159.8. However, these poundages are **not included** in Item 65 above.

66. **HOSE** includes fire, chemical, fuel, etc. Does not include braided vacuum cleaner hose.

67. **BELTING** includes flat conveyor & transmission belts (both rubberized and nonrubberized) and V-belts.

69 & 77. **ELECTRICAL APPLICATIONS & REINFORCED PLASTICS**. The cotton poundages are estimated.

Electrical Applications includes electric wire insulation & covering of all kinds plus friction tape and cable wrap, stuffing & identification. The total fiber consumed does not reflect the increased use of plastic and other nonfibrous coatings, of course.

Reinforced Plastics means high- and low-pressure laminates used in the manufacture of construction materials (corrugated & flat sheet, plumbing accessories, etc.), process equipment (tanks & containers, pipes, ducts, etc.), transportation uses (aircraft, autos, trucks, etc.), and marine, missiles, molded electrical parts, housing, seating, trays, etc. Flexible laminates of cotton are tabulated by end use, e.g., vinyl-supported upholstery fabric in Item 63, etc.

70. **FELTS** includes wet & dry papermakers' felts, mattress felts and cushioning & wicking felts. Apparel felts (e.g., for shirts) are classified by apparel products. Patio and similar "felts" are in Item 50a. Laundry press pads and flatwork ironer pads are in Miscellaneous Industrial. The wool poundage includes some felts used in filtration (recorded here and not in Item 71), but excludes the substantial amounts used in pressed felts.

71. **FILTRATION** includes woven and nonwoven filters for wet & dry filtration, including tea bags. The small wool poundage used in the copper refining industry is included in Item 70.

The fiber used in cigarette filtration is **not included** in this end use or in the Industrial Uses totals.

72. **SEWING THREAD** includes home sewing and industrial & weight goods, as well as medical sutures.

73. **ROPE** (braided & twisted), **CORDAGE** (under 3/16"), **FISHLINE, ETC.**, includes hawsers, baler or harvest twine, clothesline, tying twine, etc., as well as fishnets, seines & netting twine.

74. **BAGS & BAGGING**. The man-made Other Yarn is nylon mailbags plus olefin leno mesh & close-woven bags, including sandbags; also includes olefin bagging for wool bales. Carpet backing bale wrap is in Other Industrial.

75. **COATED & PROTECTIVE FABRICS** includes, for the man-made fibers, tents & tarpaulins, as well as the substrates for vinyl, rubber or urethane coating, lamination or impregnation. Examples of specific end uses covered include parachutes, deceleration chutes & tow targets; awnings; beach, garden & tractor umbrellas; inflatable dunnage & cushions; air-supported structures & automotive air-spring diaphragms and boat & pool covers.

The cotton poundages include awnings, boat covers, tarpaulins and tents. **Not included** here are the cotton poundages used for vinyl substrates; such poundages are tabulated with their appropriate end use, i.e., transportation upholstery (Items 63 & 64), upholstery (Item 52), etc. Man-made fiber surfaces for recreational fields are not included in this survey.

76. **PAPER & TAPE REINFORCING** includes gummed and pressure-sensitive tape, as well as nonwoven bonded structures for paper, tape and ribbon reinforcing.

79a. **FIBERFILL, STUFFING & FLOCK** includes all applications (apparel, home furnishings & industrial). Both graded fiber and waste are included. The consumption of polyester staple & tow in fiberfill for the years 1976-1982 inclusive was: 153.1, 176.9, 199.2, 240.8, 206.1, 228.3 & 229.3. For the same years, use of polyester waste for stuffing and filling materials was: 54.6, 59.1, 41.5, 45.4, 24.0, 20.7 & 24.1.

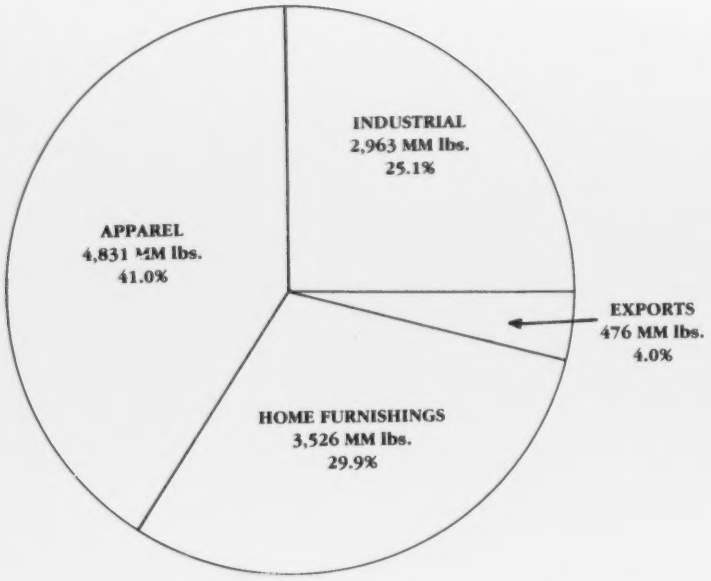
79b. **UNALLOCATED NONWOVENS** means all nonwoven poundages remaining after the identifiable nonwoven end uses, such as medical, surgical & sanitary; filtration; coated & protective fabrics; and paper & tape reinforcing, have been calculated.

MISCELLANEOUS INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS includes the cotton for abrasives; book binding; luggage & handbags; shoes & slippers; tobacco cloth; woven wiping cloths and wall-covering fabrics. For rayon, it includes asbestos carrier fiber, laundry supplies and mop yarns. For olefin yarn, it includes agricultural cloth, bale wrap, cable binding, civil engineering fabrics and macrame and other craft yarns.

Also included under Other Yarn are the substantial poundages of textile glass fiber not allocated elsewhere, particularly the poundages used in the manufacture of roofing shingles, built-up roofing and wallboard & plaster.

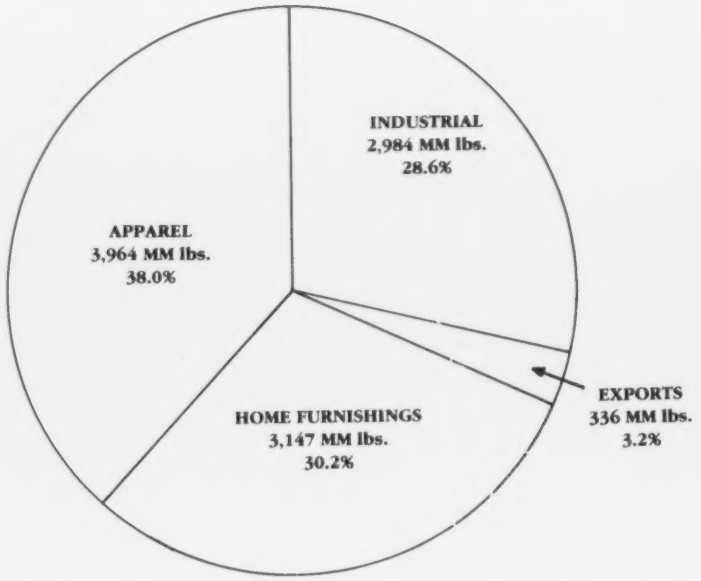
APPAREL, HOME FURNISHINGS, INDUSTRIAL & EXPORT END USES AS A % OF TOTAL END USES

1976



TOTAL END USES: 11,796 MM lbs.

1982



TOTAL END USES: 10,431 MM lbs.

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA 1979	1980	1981	1982	QUARTERLY DATA 1982 1ST Q	1982 2ND Q	1982 3RD Q	1982 4TH Q	1983 1ST Q	1983 2ND Q	1983 3RD Q	1983 4TH Q
		(A) ACETATE (N) NYLON+ARAMID (P) POLYESTER (O) OLEFIN											
HOSIERY[b]	N	106.3	106.3	107.0	92.3	22.4	22.2	23.9	23.8	25.4	26.3		
OTHER CIRCULAR KNIT[c]	N	58.9	56.6	48.2	25.7	8.4	5.4	7.0	4.9	5.3	6.0		
	P	615.4	495.7	345.6	228.4	59.4	57.6	55.4	56.0	77.2	79.3		
	A	4.5	3.2	3.6	1.6	0.4	0.7	0.2	0.3	0.7	0.5		
FLAT KNIT	A	146.9	144.9	98.7	71.7	20.2	20.5	16.9	14.1	18.0	23.6		
	N	202.6	176.3	163.2	130.8	32.8	32.6	31.0	34.4	39.0	42.4		
	P	89.0	83.8	98.4	87.0	21.1	21.8	23.5	20.6	22.4	26.2		
CARPET FACE	N	732.5	714.5	633.6	559.5	123.6	141.4	154.3	140.2	143.9	196.4		
	O	85.3	89.5	89.5	90.0	23.4	22.1	23.0	21.5	29.8	34.0		
CARPET BACKING[d]	O	220.7	197.8	195.3	184.7	45.7	45.6	49.1	44.3	46.1	54.1		
OTHER BROAD WOVEN[e]	A	129.2	110.5	110.7	88.8	22.3	23.3	20.9	22.3	24.2	29.2		
	N	102.7	94.3	89.2	82.2	21.5	20.8	18.9	21.0	21.3	22.3		
	P	387.2	405.5	440.2	367.0	78.4	88.5	98.7	101.4	103.2	135.7		
	O	171.4	186.3	200.7	172.5	42.8	44.6	43.1	42.0	48.9	57.2		
NARROW WOVEN[f]	A	5.9	8.7	8.6	2.9	0.9	0.7	1.0	0.3	0.9	0.2		
	N	37.2	31.4	34.0	30.2	8.2	7.8	6.6	7.6	7.0	9.2		
	P	30.5	28.1	28.1	28.1	5.4	8.3	7.0	7.4	7.7	8.5		
	O	11.8	12.3	12.6	12.1	2.8	3.0	3.2	3.1	3.7	3.5		
TIRES, INCL. CHAFER	N	285.3	209.2	204.7	147.9	39.1	39.8	28.3	40.7	29.2	33.7		
	P	227.4	161.0	174.8	168.9	43.7	44.1	39.9	41.2	42.9	45.3		
OTHER RUBBER INDUSTRY[g]	N	28.7	22.3	25.7	17.3	6.4	5.2	2.7	3.0	4.1	4.3		
	P	35.8	30.2	35.1	26.7	8.4	7.7	5.5	5.1	6.4	7.7		
ROPE, CORDAGE & FISHLINE	N	38.2	33.0	30.6	29.1	7.1	6.7	7.3	8.0	7.5	7.6		
	P	13.6	13.1	15.8	14.4	2.9	3.6	3.3	4.6	3.3	3.4		
	O	95.3	84.4	92.1	84.8	23.2	20.6	19.6	21.4	23.3	25.7		
ALL OTHER[h]	A	1.9	1.9	4.7	4.0	1.1	1.9	0.5	0.5	0.3	0.4		
	N	38.9	95.0	68.1	50.6	12.1	14.6	12.7	11.2	12.3	10.9		
	P	126.2	146.0	292.0	214.3	77.9	60.9	33.7	41.8	43.2	36.5		
	O	39.7	41.4	38.1	32.9	8.9	9.1	6.5	8.4	8.8	9.7		
TOTAL DOMESTIC ABOVE	**A**	**288.4**	**269.2**	**226.3**	**169.0**	**44.9**	**47.1**	**39.5**	**37.5**	**44.1**	**53.9**		
	N	**1631.3**	**1538.9**	**1404.3**	**1165.6**	**281.6**	**296.5**	**292.7**	**294.8**	**295.0**	**359.1**		
	P	**1525.1**	**1363.4**	**1430.0**	**1134.8**	**297.2**	**292.5**	**267.0**	**278.1**	**306.3**	**342.6**		
	O	**624.2**	**611.7**	**628.3**	**577.0**	**146.8**	**145.0**	**144.5**	**140.7**	**160.6**	**184.2**		
TOTAL DOMESTIC ABOVE		**4069.0**	**3783.2**	**3688.9**	**3046.4**	**770.5**	**781.1**	**743.7**	**751.1**	**806.0**	**939.8**		
ALSO DIVIDED AS													
APPAREL		1604.5	1530.4	1530.0	1128.2	303.9	285.6	268.6	270.1	305.4	335.6		
HOME FURNISHINGS		1274.6	1212.7	1129.4	1016.6	237.7	257.4	269.5	252.0	272.0	351.3		
INDUSTRIAL		1189.9	1040.1	1029.5	901.6	228.9	238.1	205.6	229.0	228.6	252.9		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		+	0	0	0	0	0	0	0	0	0		
NYLON		166.8	167.4	159.6	122.3	30.9	29.7	31.6	30.1	30.9	32.8		
POLYESTER		1015.3	942.0	991.3	737.9	198.1	189.1	172.7	178.0	201.0	221.8		
OLEFIN		46.5	40.9	33.5	26.8	7.6	7.9	5.5	5.8	6.9	8.3		

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA 1979	1980	1981	1982	QUARTERLY DATA 1982 1ST Q	1982 2ND Q	1982 3RD Q	1982 4TH Q	1983 1ST Q	1983 2ND Q	1983 3RD Q	1983 4TH Q
	(R) RAYON (N) NYLON+ARAMID (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN												
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	238.8	275.7	255.6	230.5	54.7	62.6	56.3	56.9	58.1	64.3		
	NPR	21.3	11.5	8.9	8.7	2.0	2.2	2.2	2.3	2.9	2.7		
PILE FABRICS[b]	A	65.1	60.4	44.7	36.4	10.3	11.6	8.5	6.0	9.0	10.3		
	P	17.8	18.3	14.9	15.6	3.9	3.8	4.0	3.9	4.8	4.9		
OTHER CIRCULAR+FLAT KNIT[c]	R	11.7	9.8	10.9	7.4	2.0	1.8	1.8	1.8	1.0	1.2		
	A	98.8	125.0	91.6	112.6	24.4	33.0	28.8	26.4	31.5	32.2		
	P	278.1	296.3	300.7	288.8	70.9	72.2	71.8	73.9	91.5	91.1		
BLANKETS[b]	A	45.5	42.2	28.1	23.7	4.7	5.5	7.1	6.4	7.7	6.7		
	P	13.2	17.3	14.8	12.0	2.1	3.0	3.3	3.6	3.8	2.8		
OTHER BROAD WOVEN	R	233.2	201.6	224.7	145.5	38.2	34.4	35.1	37.8	40.8	45.3		
	N	59.2	53.0	52.4	56.4	11.6	14.9	14.3	15.6	15.4	16.6		
	A	42.1	42.3	33.0	25.7	5.7	7.9	5.5	6.6	7.7	8.8		
	P	1171.0	1194.6	1107.0	889.0	232.2	222.3	209.6	224.9	237.0	270.4		
	O	17.0	17.3	17.1	16.1	3.7	6.0	2.5	3.9	4.9	5.0		
CARPET FACE YARNS	R	+	+	0.3	0.3	+	0.2	0.1	+	+	0.1		
	N	828.0	631.5	617.4	594.4	125.1	150.1	165.5	153.7	175.3	220.7		
	A	48.1	Included in All Other										
	P	192.4	119.9	124.0	114.7	24.6	32.0	27.6	30.5	34.7	39.8		
	O	64.7	61.6	67.5	76.8	17.0	21.5	19.6	18.7	21.7	23.7		
FIBERFILL[d]	P	239.6	205.1	226.7	228.4	49.0	53.4	60.8	65.2	60.8	68.8		
FLOCK	NP	10.7	10.8	13.3	10.2	2.1	2.8	2.6	2.7	2.3	3.0		
	R	5.1	5.1	5.6	3.1	0.7	0.9	0.8	0.7	0.9	0.7		
NONWOVENS[e f]	R	160.3	147.3	128.6	110.9	32.0	25.3	27.0	26.6	30.5	29.0		
	N	3.8	3.2	3.5	3.8	1.1	0.8	1.1	0.8	1.1	1.1		
	P	153.6	166.6	149.3	155.2	35.0	38.8	42.8	38.6	38.8	48.4		
	VINYON+O	36.7	34.6	42.7	39.0	7.4	10.2	12.5	8.9	10.2	13.0		
ALL OTHER	R	30.9	26.2	29.1	24.6	4.5	6.8	6.7	6.6	6.3	6.1		
	N	10.8	12.2	10.3	7.7	1.8	2.1	2.1	1.7	1.2	1.6		
	A	8.2	39.7	41.1	29.0	8.3	7.3	7.4	6.0	6.1	7.0		
	P	49.3	42.6	60.6	57.8	18.0	18.1	7.6	14.1	14.6	12.6		
	VINYON+O	0.9	1.5	4.7	7.0	1.2	2.2	1.8	1.8	2.9	2.4		
TOTAL DOMESTIC ABOVE	**R**	**442.4**	**390.7**	**396.9**	**293.7**	**77.6**	**69.8**	**72.1**	**74.2**	**80.1**	**83.0**		
	N	**913.2**	**711.2**	**696.4**	**673.3**	**141.9**	**170.8**	**185.8**	**174.8**	**196.0**	**243.5**		
	A	**546.6**	**585.3**	**494.1**	**457.9**	**108.1**	**127.9**	**113.6**	**108.3**	**120.1**	**129.3**		
	P	**2134.4**	**2071.0**	**2005.4**	**1767.5**	**437.3**	**445.3**	**428.9**	**456.0**	**487.6**	**540.4**		
	VINYON+O	**119.3**	**115.0**	**132.0**	**138.9**	**29.3**	**39.9**	**36.4**	**33.3**	**39.7**	**44.1**		
TOTAL DOMESTIC ABOVE		**4155.9**	**3873.2**	**3724.8**	**3331.3**	**794.2**	**853.7**	**836.8**	**846.6**	**923.5**	**1040.3**		
ALSO DIVIDED AS													
APPAREL		1548.6	1632.9	1487.5	1328.8	328.5	344.0	323.4	332.9	360.8	386.0		
HOME FURNISHINGS		1759.1	1478.0	1442.9	1262.2	287.0	322.9	328.0	324.3	363.9	432.9		
INDUSTRIAL		848.2	762.3	794.4	740.3	178.7	186.8	185.4	189.4	198.8	221.4		

a. Olefin poundages are included in All Other.
b. Rayon and nylon poundages are included in All Other.
c. Nylon poundages are included in All Other.
d. Rayon and acrylic poundages are included in All Other.
e. Wet & dry laid and needled batts only.
f. Acrylic poundages are included in All Other.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1983 JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	8 MONTHS 1983	1982
CELLULOSIC YARN, MONOFIL & STRIPS											
BRAZIL	0	30	30	30	0	0	59	29		178	82
CANADA	208	341	88	121	0	92	115	79		1044	354
MEXICO	73	52	16	92	39	229	117	78		696	824
AUSTRIA	41	289	219	138	249	316	42	23		1317	1232
GERMANY, FED. REP. OF	93	103	134	79	141	65	153	442		1210	1612
NETHERLANDS	11	71	43	0	96	58	21	34		334	372
UNITED KINGDOM	0	10	0	25	28	87	16	101		267	0
JAPAN	18	6	60	3	50	15	70	27		249	228
ALL OTHER COUNTRIES[a]	40	48	3	10	15	4	24	5		149	513
TOTAL CELL. YARN	**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**		**5444**	**5217**
CELLULOSIC STAPLE+TOW											
CANADA	442	346	225	425	556	444	380	550		3368	1557
AUSTRIA	0	158	95	0	76	531	76	153		1089	2399
FRANCE	0	0	56	0	18	1	0	3		78	82
SWEDEN	0	187	213	307	420	505	321	522		2475	3629
UNITED KINGDOM	2	0	64	38	41	76	0	66		287	565
JAPAN	134	174	151	178	199	165	157	48		1206	1010
TAIWAN	5	22	0	0	69	0	0	0		96	11
ALL OTHER COUNTRIES[b]	0	1	0	2	16	36	1	0		56	572
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1342**		**8655**	**9625**
NONCELLULOSIC YARN, MONOFIL & STRIPS											
CANADA	752	426	734	662	705	829	678	680		5466	2920
MEXICO	17	289	421	257	439	243	304	307		2277	131
FRANCE	157	210	165	120	98	190	56	128		1124	931
GERMANY, FED. REP. OF	636	574	397	562	547	584	502	319		4121	3715
ITALY	88	11	37	106	401	255	358	53		1309	316
NETHERLANDS	1	34	11	81	6	17	48	3		201	32
SPAIN	153	92	31	127	32	286	248	34		1003	1
SWITZERLAND	47	122	74	96	59	106	40	67		611	82
UNITED KINGDOM	36	444	173	351	457	99	291	184		2035	513
ISRAEL	64	298	74	117	26	111	108	16		814	72
JAPAN	810	902	590	888	1234	687	1182	844		7137	4015
REP. OF KOREA	6	7	3	84	104	52	173	52		481	14
TAIWAN	13	49	25	1	3	58	18	29		196	65
ALL OTHER COUNTRIES[c]	68	10	13	33	27	44	106	216		517	850
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**		**27292**	**13457**
NONCELLULOSIC STAPLE+TOW											
CANADA	278	400	491	274	838	1183	775	464		4703	3765
COSTA RICA	0	0	0	49	42	42	27	91		251	0
MEXICO	1197	475	437	294	810	995	810	778		5796	758
BELGIUM	6	72	2	34	2	36	17	19		188	105
FRANCE	1250	340	687	779	659	665	409	582		5371	3827
GERMANY, FED. REP. OF	936	1250	1941	1712	1104	2052	1774	862		11631	5331
ITALY	421	1918	608	2105	325	666	348	478		6869	2363
NETHERLANDS	0	38	49	93	52	28	75	77		412	350
SWITZERLAND	0	0	0	55	2	9	42	38		146	71
UNITED KINGDOM	253	736	816	1392	2099	1824	1429	1724		10253	1636
AUSTRALIA	0	91	0	0	0	0	0	0		91	29
ISRAEL	0	55	57	0	0	0	0	0		112	60
JAPAN	933	513	1174	1083	779	1282	1353	1171		8288	4552
REP. OF KOREA	0	40	0	40	0	95	40	41		256	33
TAIWAN	381	449	524	346	38	158	74	184		2154	6598
ALL OTHER COUNTRIES[d]	0	0	7	140	29	75	354	154		710	1003
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6663**		**57231**	**30481**

Other countries supplying 1983 poundages are:

a. People's Republic of China 9, France 49, Italy 19, Rep. of Korea 40, Sweden 9, Taiwan 1 and Yugoslavia 22.

b. Australia 1, Fed. Rep. of Germany 17, German Dem. Rep. 1, Mexico 4 and Romania 33.

c. Australia 12, Austria 35, Belgium 10, Denmark 2, Costa Rica 15, Iceland 16, Ireland 45, Portugal 15, Romania 83, South Africa 221, Sweden 44 and Thailand 19.

d. Austria 28, Denmark 38, Finland 1, Ireland 39, Norway 265, Portugal 11, Romania 172, South Africa 61, Spain 7, Sweden 12, Turkey 41 and Yugoslavia 35.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMODITY NUMBER AS OF 1/1/83	1983 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	8 MONTHS 1983	1982
CELLULOSIC FIBERS												
YARN SINGLES												
TEXTURED	310.0106 & .0206	129	72	5	0	+	50	0	0		256	101
OTHER	310.0130 & .0230[a]	355	866	585	464	580	770	576	734		4930	5108
MONOFILAMENTS	309.0310 & .0610	0	0	0	+	0	0	24	0		24	2
STRIPS, $1 LB & UNDER	309.2000 *	0	12	3	34	38	46	17	84		254	6
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**		**5444**	**5217**
STAPLE	309.4320 & .4325	553	818	740	882	1324	1679	930	1236		8162	8588
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68	71	79	5	107		494	1037
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1343**		**8656**	**9625**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0	95	0	0	38		215	299
NONCELLULOSIC FIBERS												
YARN SINGLES												
TEXTURED NYLON	310.0109 & .0209	284	338	271	266	445	501	329	242		2676	2515
POLYESTER	310.0110 & .0210	79	40	1	20	127	125	73	144		609	379
OTHER	310.0114 & .0214	853	364	674	602	655	794	726	622		5290	1830
OTHER NYLON	310.0149 & .0249	305	1337	744	1016	1383	934	1279	795		7793	2720
POLYESTER	310.0150 & .0250	962	998	637	1023	1029	918	1334	874		7775	3376
OTHER	310.0170 & .0270[b]	158	268	244	342	367	122	141	138		1780	1351
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168	75	119	156	76		999	1081
STRIPS, OVER $1 LB	309.2100 & .2500 *	52	15	33	48	59	48	74	41		370	205
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**		**27292**	**13457**
STAPLE NYLON	309.4338	1176	2537	1854	3072	2050	2518	2041	2320		17568	5139
POLYESTER	309.4342	1522	361	934	689	621	833	1064	924		6948	4840
ACRYLIC	309.4345	643	784	879	1040	1153	1769	1682	941		8871	4184
OLEFIN	309.4346	106	3	203	133	92	82	53	26		698	161
OTHER	309.4355	796	660	929	978	342	840	487	405		5437	8197
GROUPED FILAMENTS												
NYLON	309.3030 & .3130	1052	1072	1502	1608	2035	2526	1544	1382		12721	4196
POLYESTER	309.3040 & .3140	+	5	6	175	101	59	30	94		470	26
ACRYLIC	309.3050 & .3150	324	881	416	570	511	397	613	463		3975	3080
OTHER	309.3065 & .3165	16	74	70	82	94	86	13	107		542	658
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**		**57230**	**30481**
WASTE, NOT ADVANCED NYLON	309.6625	1197	1344	2092	1917	2281	2004	2395	2727		15957	15756
POLYESTER	309.6630	572	1339	909	809	677	856	1324	1151		7637	7494
ACRYLIC	309.6645	45	150	0	54	0	0	0	0		229	827
OTHER	309.6660	266	129	118	443	491	405	250	203		2305	2126
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	26	31	41	0	31		129	21
OTHER WASTE, ADVANCED	309.7525 .7555	280	162	399	408	56	259	0	1		1565	238
SUBTOTAL ABOVE		**2360**	**3104**	**3518**	**3657**	**3536**	**3565**	**3969**	**4113**		**27822**	**26462**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**	**16561**	**18860**	**17160**	**15906**		**126659**	**85541**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD												
YARN PLIED												
TEXTURED CELLULOSIC	310.1106	0	0	0	0	0	+	0	1		1	2
NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603	416	575	777	665	641		4893	2708
OTHER CELLULOSIC	310.1030 & .1135[f]	41	0	3	0	2	5	1	5		57	136
NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98	122	102	129	160		1583	494
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	49	49	84	29	87	163	54	172		687	190
OTHER	310.4015 & .4027[i]	2220	1846	2421	2337	3082	2888	3184	2165		20143	14302
OTHER YARNS NES, INCL CHENILLE	310.6029 .8000	375	193	325	329	417	558	164	120		2481	2025
HANDWORK YARNS & SEWING THREAD	310.9000 .9140	229	269	257	218	235	326	85	185		1804	1494
SLIVER, TOPS & ROVING	309.9000	352	326	667	424	511	534	530	413		3757	1795
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008	2347	1657	1264	939	1987		12951	9484
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**	**23249**	**25477**	**22911**	**21755**		**175016**	**118171**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, 5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	YEAR TO DATE[a] 1983	1982
TOTAL SHIPMENTS[b]											
MAN-MADE FIBER DATA[c]											
YARN+MONOFILAMENTS[d]											
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**18.5**	**21.9**	**19.1**	**170.5**	**155.0**
NYLON[e] - INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	23.8	23.4	26.6	30.6	225.9	242.4
- LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	2.4	3.1	2.6	24.4	21.9
- CARPET	45.4	48.4	56.3	60.2	66.0	76.4	61.2	71.1	71.4	556.4	436.4
- TEXTILE	27.8	30.4	34.3	33.3	33.9	32.5	28.5	32.8	32.0	285.5	246.7
POLYESTER - INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	21.5	26.4	27.4	229.8	219.1
- LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	1.7	2.7	2.1	19.2	16.7
- TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	71.9	83.4	84.0	758.1	710.8
OLEFIN[h]	51.2	55.0	58.3	60.5	64.0	63.9	59.5	64.1	66.0	542.5	447.4
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**303.0**	**314.7**	**316.9**	**270.1**	**310.2**	**316.1**	**2641.8**	**2341.4**
STAPLE+TOW+FIBERFILL[j]											
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**30.6**	**37.1**	**32.0**	**281.4**	**265.0**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	71.2	85.2	82.8	685.7	509.9
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.7	47.5	57.5	58.2	498.8	480.2
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	154.6	197.0	208.3	1640.4	1452.0
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	13.8	16.6	17.3	134.1	108.4
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.9**	**287.1**	**356.3**	**366.6**	**2959.0**	**2550.5**
END-OF-MONTH STOCK											
YARN+MONOFILAMENTS											
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**13.6**	**12.3**	**14.1**	**14.1**	**11.3**
NYLON[e] - INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	28.4	30.8	24.8	24.8	37.0
LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.9	4.4	5.1	5.1	4.0
- CARPET	54.2	53.6	51.3	50.1	48.2	40.5	47.7	45.5	44.2	44.2	46.4
- TEXTILE	40.5	39.2	38.3	37.8	35.3	36.2	38.2	37.9	39.3	39.3	38.5
POLYESTER - INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	23.1	23.3	21.3	21.3	28.1
- LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.6	2.4	2.7	2.7	2.6
- TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	89.6	78.8	79.8	79.8	75.8
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	55.4	55.0	54.6	55.7	55.7	58.1
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.1**	**262.6**	**261.5**	**259.5**	**289.5**	**277.7**	**272.9**	**272.9**	**290.5**
STAPLE+TOW+FIBERFILL											
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**27.3**	**21.4**	**21.3**	**21.3**	**36.8**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	54.1	55.0	57.9	57.9	55.8
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	67.9	68.4	65.8	65.8	64.1
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	185.1	181.6	160.4	160.4	167.9
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.2	15.8	16.7	16.7	21.5
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**321.3**	**320.8**	**300.8**	**300.8**	**309.3**
WOOL & COTTON CONSUMPTION											
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5	15.2	9.8	13.3		98.2	83.1
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1	1.2	0.8	0.5		6.8	6.6
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6	16.4	10.6	13.8		105.0	89.7
RAW COTTON	213.2	228.1	255.6	227.0	244.1	241.6	185.7	241.7	262.8	2099.8	1861.3

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

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